

## SATB2 (PT0065R) PT™ Rabbit mAb

CatalogNo: YM8534 **Recombinant** 

### Key Features

**Host Species**

- Rabbit

**Reactivity**

- Human, Mouse, Rat

**Applications**

- WB, IHC, IF, ELISA

**MW**

- 83kD (Calculated)
- 100kD (Observed)

**Isotype**

- IgG, Kappa

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

### Recommended Dilution Ratios

**IHC 1:100-1:500****WB 1:2000-1:10000****IF 1:200-1:1000****ELISA 1:5000-1:20000**

### Basic Information

**Clonality** Monoclonal**Clone Number** PT0065R

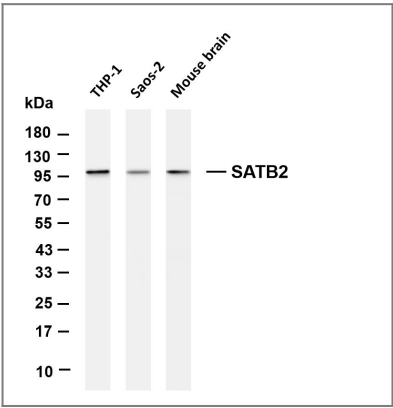
### Immunogen Information

**Immunogen** The specific immunogen used to produce this antibody is proprietary information.**Specificity** Endogenous

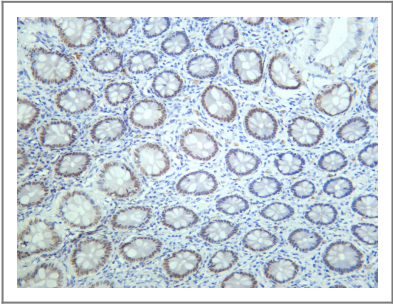
## Target Information

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                               |                          |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------|
| Gene name             | SATB2 KIAA1034                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                               |                          |
| Protein Name          | DNA-binding protein SATB2 (Special AT-rich sequence-binding protein 2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                               |                          |
|                       | Organism                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Gene ID                                       | UniProt ID               |
|                       | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <a href="#">6776</a> ; <a href="#">6777</a> ; | <a href="#">Q9UPW6</a> ; |
|                       | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                               | <a href="#">Q8VI24</a> ; |
| Cellular Localization | Nucleus matrix .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                               |                          |
| Tissue specificity    | Brain,Cervix,Epithelium,Lung,Placenta,Synovial memb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                               |                          |
| Function              | Disease:Chromosomal aberrations involving SATB2 are found in isolated cleft palate. Translocation t(2;7); translocation t(2;11).,Disease:Defects in SATB2 are the cause of isolated cleft palate with mental retardation [MIM:119540]. Patients manifest cleft palate, craniofacial dysmorphism and profound mental retardation.,Function:May play an important role in palate formation.,similarity:Belongs to the CUT homeobox family.,similarity:Contains 1 homeobox DNA-binding domain.,similarity:Contains 2 CUT DNA-binding domains.,tissue specificity:High expression in adult brain, moderate expression in fetal brain, and weak expression in adult liver, kidney, and spinal cord and in select brain regions, including amygdala, corpus callosum, caudate nucleus, and hippocampus., |                                               |                          |

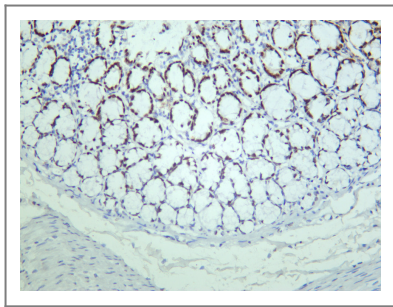
## Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-SATB2 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: THP-1 Lane 2: Saos-2 Lane 3: Mouse brain Predicted band size: 83kDa Observed band size: 100kDa



Human colon was stained with anti-SATB2 rabbit antibody



Rat colon was stained with anti-SATB2 rabbit antibody

## | Contact information

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Please scan the QR code  
to access additional  
product information:  
**SATB2 (PT0065R)**  
**PT™ Rabbit mAb**

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For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)