

## CBS Rabbit pAb

CatalogNo: YN5731

### | Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB

#### MW

- 61kD (Calculated)

#### Isotype

- IgG

### | Recommended Dilution Ratios

WB 1:500-2000

### | Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### | Basic Information

**Clonality** Polyclonal

### | Immunogen Information

**Immunogen** Synthesized peptide derived from human CBS

**Specificity** This antibody detects endogenous levels of CBS at Human, Mouse, Rat

### | Target Information

**Gene name** CBS

<b>Protein Name</b>	Cystathionine beta-synthase (Beta-thionase) (Serine sulfhydrase)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">875;</a>	<a href="#">P35520;</a>
	Mouse	<a href="#">12411;</a>	<a href="#">Q91WT9;</a>
	Rat	<a href="#">24250;</a>	<a href="#">P32232;</a>
<b>Cellular Localization</b>	Cytoplasm . Nucleus .		
<b>Tissue specificity</b>	In the adult strongly expressed in liver and pancreas, some expression in heart and brain, weak expression in lung and kidney. In the fetus, expressed in brain, liver and kidney.		
<b>Function</b>	Hydro-lyase catalyzing the first step of the transsulfuration pathway, where the hydroxyl group of L-serine is displaced by L-homocysteine in a beta-replacement reaction to form L-cystathionine, the precursor of L-cysteine. This catabolic route allows the elimination of L-methionine and the toxic metabolite L-homocysteine . Also involved in the production of hydrogen sulfide, a gasotransmitter with signaling and cytoprotective effects on neurons (By similarity).		

| Validation Data

| Contact information

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