

ALDOA (PT1728R) PT™ Rabbit mAb

CatalogNo: YM9570 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 39kD (Calculated)
- 39kD (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 1:200-1:1000

WB 1:2000-1:10000

IF 1:200-1:1000

ELISA 1:5000-1:20000

Basic Information

Clonality Monoclonal

Clone Number PT1728R

Immunogen Information

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

Specificity Endogenous

Target Information

Gene name ALDOA

Protein Name Fructose-bisphosphate aldolase A

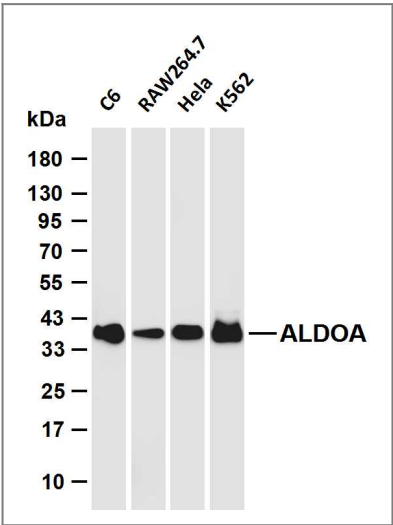
Organism	Gene ID	UniProt ID
Human	226;	P04075;
Mouse	11674;	P05064;
Rat	24189;	P05065;

Cellular Localization Cytoplasm , myofibril , sarcomere , I band . Cytoplasm , myofibril , sarcomere , M line . In skeletal muscle , accumulates around the M line and within the I band , colocalizing with FBP2 on both sides of the Z line in the absence of Ca (2+) . .

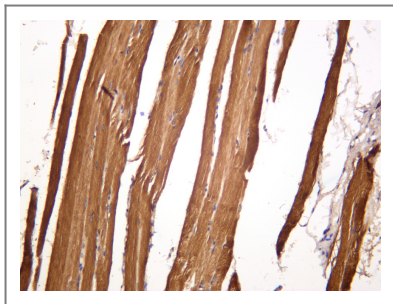
Tissue specificity Brain ,Cajal-Retzius cell ,Cervix ,Colon carcinoma ,Epithelium ,Eye ,Feta

Function Catalytic activity:D-fructose 1 ,6-bisphosphate = glycerone phosphate + D-glyceraldehyde 3-phosphate. ,Disease:Defects in ALDOA are the cause of aldolase A deficiency [MIM:611881]; also known as aldoA deficiency or red cell aldolase deficiency. Aldolase A deficiency is an autosomal recessive disorder associated with hereditary hemolytic anemia. ,miscellaneous:In vertebrates , three forms of this ubiquitous glycolytic enzyme are found , aldolase A in muscle , aldolase B in liver and aldolase C in brain. ,pathway:Carbohydrate degradation; glycolysis; D-glyceraldehyde 3-phosphate and glycerone phosphate from D-glucose: step 4/4. ,similarity:Belongs to the class I fructose-bisphosphate aldolase family. ,subunit:Homotetramer. ,

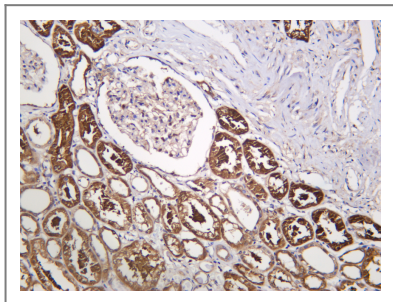
Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-ALDOA (PT1728R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: C6 Lane 2: RAW264.7 Lane 3: HeLa Lane 4: K562 Predicted band size: 39kDa Observed band size: 39kDa



Human skeletal muscle was stained with anti-ALDOA (PT1728R) Rabbit antibody



Human kidney was stained with anti-ALDOA (PT1728R) Rabbit antibody

| Contact information

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PT™ Rabbit mAb

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