SH2B3 (PT1676R) PT™ Rabbit mAb

CatalogNo: YM9518 Recombinant

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse

Applications
- WB,IHC,IF,ELISA

MW
- 63kD (Calculated)
65kD (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	PT1676R

Immunogen Information

Specificity	Endogenous

Target Information

Gene name SH2B3 LNK

Protein Name SH2B adapter protein 3 (Lymphocyte adapter protein) (Lymphocyte-specific adapter protein Lnk) (Signal transduction protein Lnk)

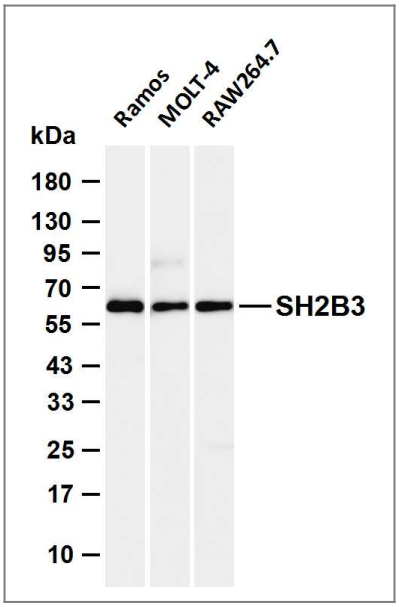
Organism	Gene ID	UniProt ID
Human	10019;	Q9UQQ2;
Mouse		O09039;
Rat		P50745;

Cellular Localization cytosol,

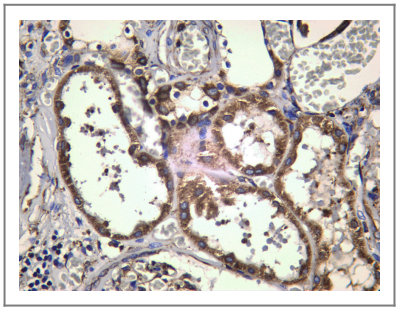
Tissue specificity Preferentially expressed by lymphoid cell lines.

Function Disease:Genetic variations in SH2B3 are associated with susceptibility to celiac disease type 13 (CELIAC13)[MIM:612011]; also known as susceptibility to gluten-sensitive enteropathy type 13. Celiac disease is a multifactorial disorder of the small intestine that is influenced by both environmental and genetic factors. It is characterized by malabsorption resulting from inflammatory injury to the mucosa of the small intestine after the ingestion of wheat gluten or related rye and barley proteins. In its classic form, celiac disease is characterized in children by malabsorption and failure to thrive.,Disease:Genetic variations in SH2B3 are associated with susceptibility to insulin-dependent diabetes mellitus (IDDM) [MIM:222100]; also known as diabetes mellitus type 1. IDDM normally starts in childhood or adolescence and is caused by the body's own immune system which destroys the insulin-producing beta cells in the pancreas. Classical features are polydipsia, polyphagia and polyuria, due to hyperglycemia-induced osmotic diuresis.,Function:Links T-cell receptor activation signal to phospholipase C-gamma-1, GRB2 and phosphatidylinositol 3-kinase.,PTM:Tyrosine phosphorylated by LCK.,similarity:Belongs to the SH2B adapter family.,similarity:Contains 1 PH domain.,similarity:Contains 1 SH2 domain.,subunit:Binds to the tyrosine-phosphorylated TCR zeta chain via its SH2 domain.,tissue specificity:Preferentially expressed by lymphoid cell lines.,

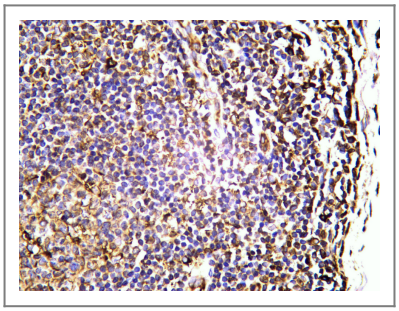
Validation Data



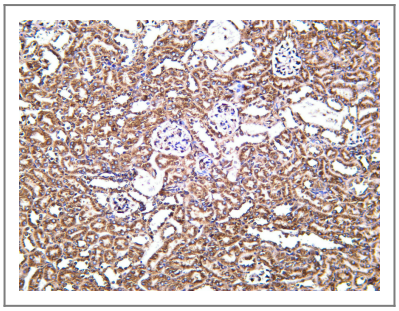
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-SH2B3 (PT1676R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Ramos Lane 2: MOLT-4 Lane 3: RAW264.7 Predicted band size: 63kDa Observed band size: 65kDa



Human kidney was stained with anti-SH2B3 (PT1676R) Rabbit antibody



Human tonsil was stained with anti-SH2B3 (PT1676R) Rabbit antibody



Mouse kidney was stained with anti-SH2B3 (PT1676R) Rabbit antibody

Contact information

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Please scan the QR code to access additional product information:
SH2B3 (PT1676R) PT™ Rabbit mAb