

APS Polyclonal Antibody

Catalog No: YT0285

Reactivity: Human; Mouse; Rat

Applications: WB;ELISA

Target: APS

Fields: >>Neurotrophin signaling pathway;>>Insulin signaling pathway

Gene Name: SH2B2

Protein Name: SH2B adapter protein 2

Human Gene ld: 10603

Human Swiss Prot

s Prot 014492

Q9JID9

No:

Mouse Gene ld: 23921

Mouse Swiss Prot

No:

Rat Gene ld: 114203

Rat Swiss Prot No: Q9Z200

Immunogen: Synthesized peptide derived from the Internal region of human APS.

Specificity: APS Polyclonal Antibody detects endogenous levels of APS protein.

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

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

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chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

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

Observed Band: 67kD

Cell Pathway: Neurotrophin;Insulin_Receptor;

Background: The protein encoded by this gene is expressed in B lymphocytes and contains

pleckstrin homology and src homology 2 (SH2) domains. In Burkitt's lymphoma cell lines, it is tyrosine-phosphorylated in response to B cell receptor stimulation. Because it binds Shc independent of stimulation and Grb2 after stimulation, it appears to play a role in signal transduction from the receptor to the

Shc/Grb2 pathway. [provided by RefSeq, Jun 2009],

Function: function:Adapter protein for several members of the tyrosine kinase receptor

family. Involved in multiple signaling pathways. May be involved in coupling from

immunoreceptor to Ras signaling. Acts as a negative regulator of cytokine signaling in collaboration with CBL. Binds to EPOR and suppresses EPO-induced STAT5 activation, possibly through a masking effect on STAT5 docking sites in

EPOR. Suppresses PDGF-induced mitogenesis. May induce cytoskeletal

reorganization via interaction with VAV3.,PTM:Tyrosine phosphorylated by JAK2, KIT and other kinases activated by B-cell receptor in response to stimulation with cytokines, IL3, IL5, PDGF, IGF1, IGF2, CSF2/GM-CSF and cross-linking of the B-

cell receptor complex., similarity: Belongs to the SH2B adapter family., similarity: Contains 1 PH domain., similarity: Contains 1 SH2

domain., subcellular location: Cytoplasmic before PDGF stimulation. After PDG

Subcellular Location : Cytoplasm . Cell membrane . Cytoplasmic before PDGF stimulation. After PDGF

stimulation, localized at the cell membrane and peripheral region.

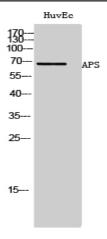
Expression: Expressed in spleen, prostate, testis, uterus, small intestine and skeletal muscle.

Among hematopoietic cell lines, expressed exclusively in B-cells. Not expressed

in most tumor cell lines.

Products Images

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Western Blot analysis of HuvEc cells using APS Polyclonal Antibody