

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 Id :	10603
Human Swiss Prot No :	O14492
Mouse Gene Id :	23921
Mouse Swiss Prot No :	Q9JID9
Rat Gene Id :	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-

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

Western Blot analysis of HuvEc cells using APS Polyclonal Antibody

