

## APS Polyclonal Antibody

<b>Catalog No :</b>	YT0285
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	APS
<b>Fields :</b>	>>Neurotrophin signaling pathway;>>Insulin signaling pathway
<b>Gene Name :</b>	SH2B2
<b>Protein Name :</b>	SH2B adapter protein 2
<b>Human Gene Id :</b>	10603
<b>Human Swiss Prot No :</b>	O14492
<b>Mouse Gene Id :</b>	23921
<b>Mouse Swiss Prot No :</b>	Q9JID9
<b>Rat Gene Id :</b>	114203
<b>Rat Swiss Prot No :</b>	Q9Z200
<b>Immunogen :</b>	Synthesized peptide derived from the Internal region of human APS.
<b>Specificity :</b>	APS Polyclonal Antibody detects endogenous levels of APS protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

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**Concentration :** 1 mg/ml

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

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**Observed Band :** 67kD

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**Cell Pathway :** Neurotrophin;Insulin\_Receptor;

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**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],

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**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

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**Subcellular Location :** Cytoplasm . Cell membrane . Cytoplasmic before PDGF stimulation. After PDGF stimulation, localized at the cell membrane and peripheral region.

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**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.

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**Sort :** 2177

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**No4 :** 1

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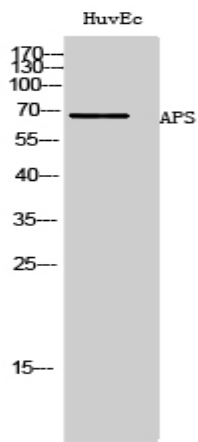
**Host :** Rabbit

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**Modifications :** Unmodified

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## Products Images



Western Blot analysis of HuvEc cells using APS Polyclonal Antibody