10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

APS Polyclonal Antibody

Catalog # AP68468

Product Information

Application	WB
Primary Accession	O14492
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67738

Additional Information

Gene ID	10603
Other Names	SH2B2; APS; SH2B adapter protein 2; Adapter protein with pleckstrin homology and Src homology 2 domains; SH2 and PH domain-containing adapter protein APS
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

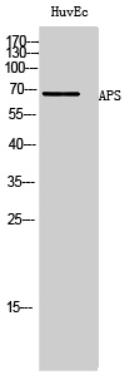
Protein Information

Name	SH2B2
Synonyms	APS
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.
Cellular Location	Cytoplasm. Cell membrane. Note=Cytoplasmic before PDGF stimulation. After PDGF stimulation, localized at the cell membrane and peripheral region
Tissue Location	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.

Background

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.

Images



Western Blot analysis of HuvEc cells using APS Polyclonal Antibody