RUSC1 Antibody

Catalog No: #24975

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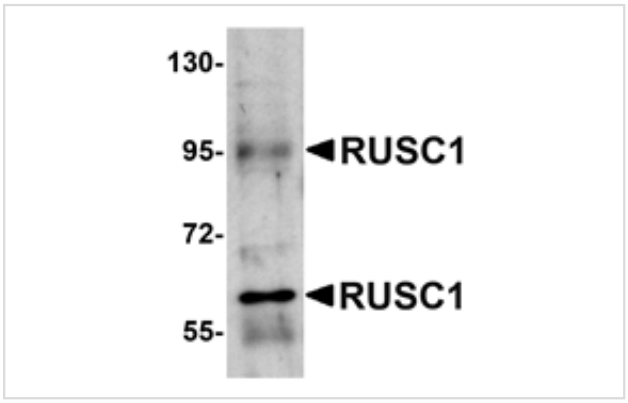
Description

Product Name	RUSC1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide from near the carboxy terminus of human RUSC1.
Target Name	RUSC1
Other Names	RUN and SH3 domain containing protein 1, NESCA
Accession No.	Swiss-Prot:Q9BVN2Gene ID:23623
Uniprot	Q9BVN2
GeneID	23623;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of RUSC1 in A-20 cell lysate with RUSC1 antibody at 1 ug/mL.

Background

RUSC1, also known as NESCA, shares with the related protein RUSC2 a common domain structure of RUN, leucine zipper and SH3 domain in addition to over 30% amino acid identity. RUSC1 is an adapter protein that can bind to the TrkA receptor and is necessary in the NGF-induced neurite growth of PC12 cells. RUSC1 has also been shown to interact with IκB kinase- (IKK-) gamma, the regulatory subunit of the IKK complex that is required for NF-κB activation in many signaling pathways such as TNF-R or the TLR pathways. RUSC1 can also bind to the E3 ubiquitin ligase TRAF6, which then catalyzes RUSC1 polyubiquitination. Since overexpression of RUSC1 strongly inhibits TRAF6-mediated polyubiquitination of IKK-gamma, RUSC1 may be a link in the IKK-gamma-mediated NF-κB activation pathway.

Note: This product is for in vitro research use only