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Product datasheet for TA306848

RUSC1 Rabbit Polyclonal Antibody

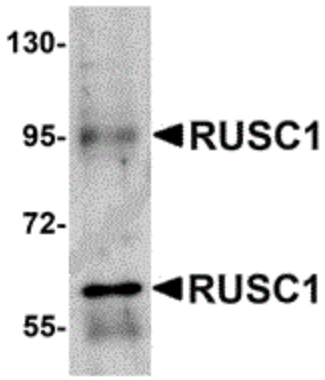
Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	RUSC1 antibody was raised against a 17 amino acid peptide from near the carboxy terminus of human RUSC1.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	RUN and SH3 domain containing 1
Database Link:	NP_001098673 Entrez Gene 72296 MouseEntrez Gene 100360417 RatEntrez Gene 23623 Human Q9BVN2
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 IkappaB kinase- (IKK-) gamma, the regulatory subunit of the IKK complex that is required for NF-kappaB 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-kappaB activation pathway.

View online »

Synonyms: NESCA

Product images:



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