

RUSC1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55238**Specification**

RUSC1 Polyclonal Antibody - Product Information

Application	IHC-P, WB
Primary Accession	Q9BVN2
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	96444

RUSC1 Polyclonal Antibody - Additional Information**Gene ID** 23623**Other Names**

RUN and SH3 domain-containing protein 1, New molecule containing SH3 at the carboxy-terminus, Nesca, RUSC1, NESCA

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

RUSC1 Polyclonal Antibody - Protein Information**Name** RUSC1 {ECO:0000303|PubMed:30262884, ECO:0000312|HGNC:HGNC:17153}**Function**

Associates with the adapter-like complex 4 (AP-4) and may therefore play a role in vesicular trafficking of proteins at the trans-Golgi network (PubMed:30262884). Signaling adapter which plays a role in neuronal differentiation (PubMed:15024033). Involved in regulation of NGF-dependent neurite outgrowth (PubMed:15024033). May play a role in neuronal vesicular trafficking, specifically involving pre-synaptic membrane proteins (By similarity). Seems to be involved in signaling pathways that are regulated by the prolonged activation of MAPK (PubMed:15024033). Can regulate the polyubiquitination of IKBKG and thus may be involved in regulation of the NF-kappa-B pathway (PubMed:19365808).

Cellular Location

Cytoplasm. Nucleus. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q8BG26}. Cytoplasmic vesicle {ECO:0000250|UniProtKB:Q8BG26}. Early endosome {ECO:0000250|UniProtKB:Q8BG26}. Postsynaptic density {ECO:0000250|UniProtKB:Q8BG26}. Golgi apparatus {ECO:0000250|UniProtKB:Q8BG26}. Note=Translocated to the nuclear envelope upon stimulation with NGF (PubMed:15024033). Associated with membranes and microtubules (By similarity) {ECO:0000250|UniProtKB:Q8BG26, ECO:0000269|PubMed:15024033}

Tissue Location

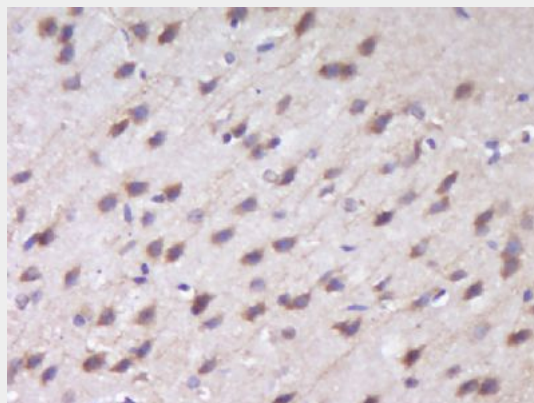
Predominantly expressed in brain.

RUSC1 Polyclonal Antibody - Protocols

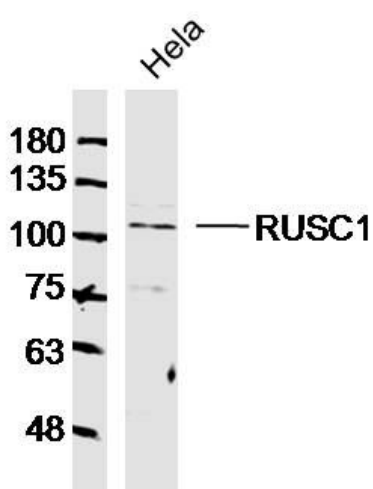
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RUSC1 Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RUSC1) Polyclonal Antibody, Unconjugated (bs-13677R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Sample: HeLa (Human) Cell Lysate at 40 ug
Primary: Anti-RUSC1(bs-13677R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 96kD
Observed band size: 105kD