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## **RUSC1 Antibody**

**Subcategory:** Rabbit Polyclonal Antibody

**Cat. No.:** 254148

**Unit:** 0.1 mg

### **Description:**

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 I $\kappa$ B kinase- (IKK-)  $\gamma$ , the regulatory subunit of the IKK complex that is required for NF- $\kappa$ B 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- $\kappa$ B activation pathway.

**Isotype:** Rabbit Ig

**Applications:** E, WB

**Species Reactivity:** H, M, R

**Format:** Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

**Alternate Names:** RUSC1; RUN and SH3 domain containing protein 1; NESCA

**Accession No.:** NP\_001098673

**Antigen:** KLH-conjugated synthetic peptide encompassing a sequence within human RUSC1.

**Application Notes:** E: 1:500-1:1,000; WB: 1:100-1:500

**Storage:** Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.