

## **Product datasheet for TA302971**

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## **RIC8 (RIC8A) Goat Polyclonal Antibody**

**Product data:** 

**Product Type:** Primary Antibodies

Applications: WB

**Recommended Dilution:** ELISA: 1:32,000. WB: 1-3µg/ml.

**Reactivity:** Human (Expected from sequence similarity: Mouse, Rat, Cow)

Host: Goat Isotype: IgG

Clonality: Polyclonal

**Immunogen:** Peptide with sequence CLSSDPDSDPD, from the C Terminus of the protein sequence

according to NP\_068751.4.

**Formulation:** Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum

albumin.

**Concentration:** lot specific

**Purification:** Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize

freezing and thawing.

Conjugation: Unconjugated

**Storage:** Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Gene Name: RIC8 guanine nucleotide exchange factor A

Database Link: NP 068751

Entrez Gene 101489 MouseEntrez Gene 293614 RatEntrez Gene 60626 Human

Q9NPQ8







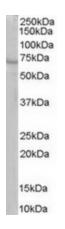
**Background:** Guanine nucleotide exchange factor (GEF), which can activate some, but not all, G-alpha

proteins. Able to activate GNAI1, GNAO1 and GNAQ, but not GNAS by exchanging bound GDP for free GTP. Involved in regulation of microtubule pulling forces during mitotic movement of chromosomes by stimulating G(i)-alpha protein, possibly leading to release G(i)-alpha-GTP and NuMA proteins from the NuMA-GPSM2-G(i)-alpha-GDP complex (By similarity). Also acts as an activator for G(q)-alpha (GNAQ) protein by enhancing the G(q)-coupled receptor-

mediated ERK activation

Synonyms: RIC8

## **Product images:**



TA302971 staining (1ug/ml) of human brain lysate (RIPA buffer, 35ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.