

### **Product datasheet for TA303044**

### OriGene Technologies, Inc.

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# **RAE1 Goat Polyclonal Antibody**

#### **Product data:**

**Product Type:** Primary Antibodies

Applications: WB

**Recommended Dilution:** ELISA: 1:64,000. WB: 0.03-0.1µg/ml.

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

Host: Goat Isotype: IgG

Clonality: Polyclonal

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

according to NP\_003601.1; NP\_001015885.1.

**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:** ribonucleic acid export 1

Database Link: NP 001015885

Entrez Gene 66679 MouseEntrez Gene 362281 RatEntrez Gene 485942 DogEntrez Gene 8480

<u>Human</u> <u>P78406</u>





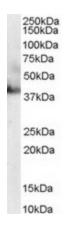
#### Background:

Mutations in the Schizosaccharomyces pombe Rae1 and Saccharomyces cerevisiae Gle2 genes have been shown to result in accumulation of poly(A)-containing mRNA in the nucleus, suggesting that the encoded proteins are involved in RNA export. The protein encoded by this gene is a homolog of yeast Rae1. It contains four WD40 motifs, and has been shown to localize to distinct foci in the nucleoplasm, to the nuclear rim, and to meshwork-like structures throughout the cytoplasm. This gene is thought to be involved in nucleocytoplasmic transport, and in directly or indirectly attaching cytoplasmic mRNPs to the cytoskeleton. Alternatively spliced transcript variants encoding the same protein have been found for this gene.

Synonyms:

dJ481F12.3; dJ800J21.1; MIG14; Mnrp41; MRNP41

## **Product images:**



TA303044 staining (0.03ug/ml) of HepG2 lysate (RIPA buffer, 30ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.