



## International Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06838 - Goat Anti-RAE1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** RAE1, RAE1 RNA export 1 homolog (S. pombe), HGNC:9828, FLJ30608, MIG14, MRNP41, Mnrp41, dJ481F12.3, dJ800J21.1, RAE1 (RNA export 1, S.pombe) homolog, homolog of yeast Rae1 (Bharathi) mRNA-associated protein of 41 kDa (Kraemer), mRNA export protein, mRNA-associated protein MRNP 41, mRNA-binding protein, 41-kD, migration-inducing gene 14, RP4-800J21.2, MGC117333, MGC126076, MGC126077, OTTHUMP00000166110

**Official Symbol:** RAE1

**Accession Number(s):** NP\_003601.1; NP\_001015885.1

**Human GeneID(s):** [8480](#)

**Important Comments:** NP\_003601 and NP\_001015885 represent identical proteins.

### Immunogen

Peptide with sequence C-NAEEELKPRNKK, from the C Terminus of the protein sequence according to NP\_003601.1; NP\_001015885.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

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.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:64000.

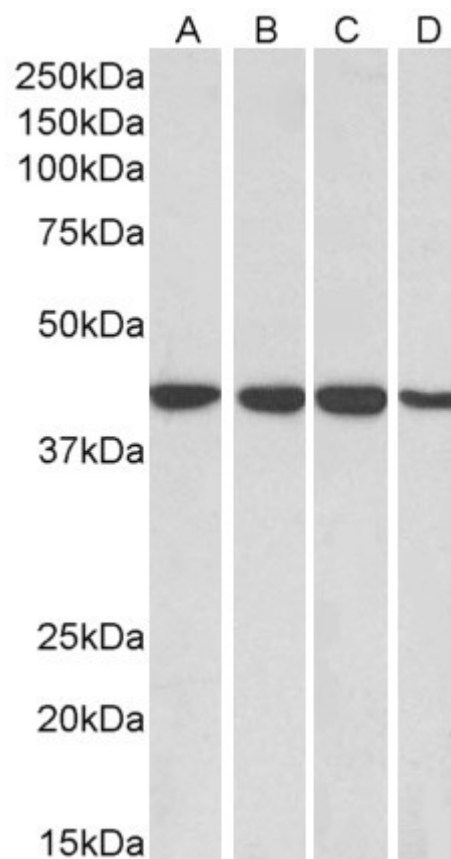
**Western blot:** Approx 40kDa band observed in lysates cell lines HepG2, HeLa, Jurkat and MCF7 (calculated MW of 41.0kDa according to NP\_003601.1). Recommended concentration: 0.1-0.3µg/ml.

**IHC:** In paraffin embedded Human Brain Cortex shows staining of neuronal cell bodies. Recommended concentration: 3-6µg/ml. Paraffin embedded Human Heart. Recommended concentration: 3.75µg/ml.

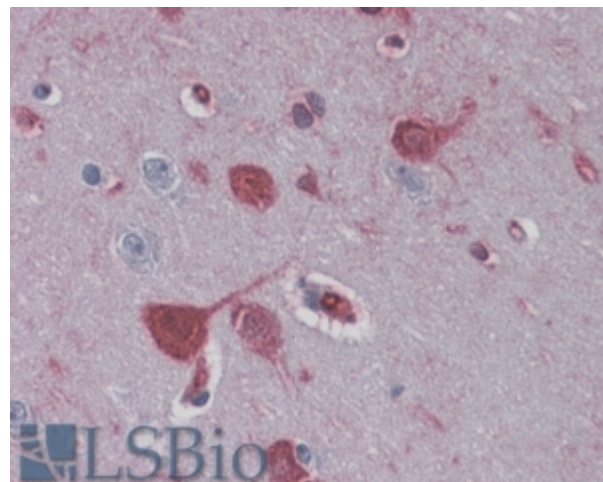
### Species Reactivity

**Tested:** Human

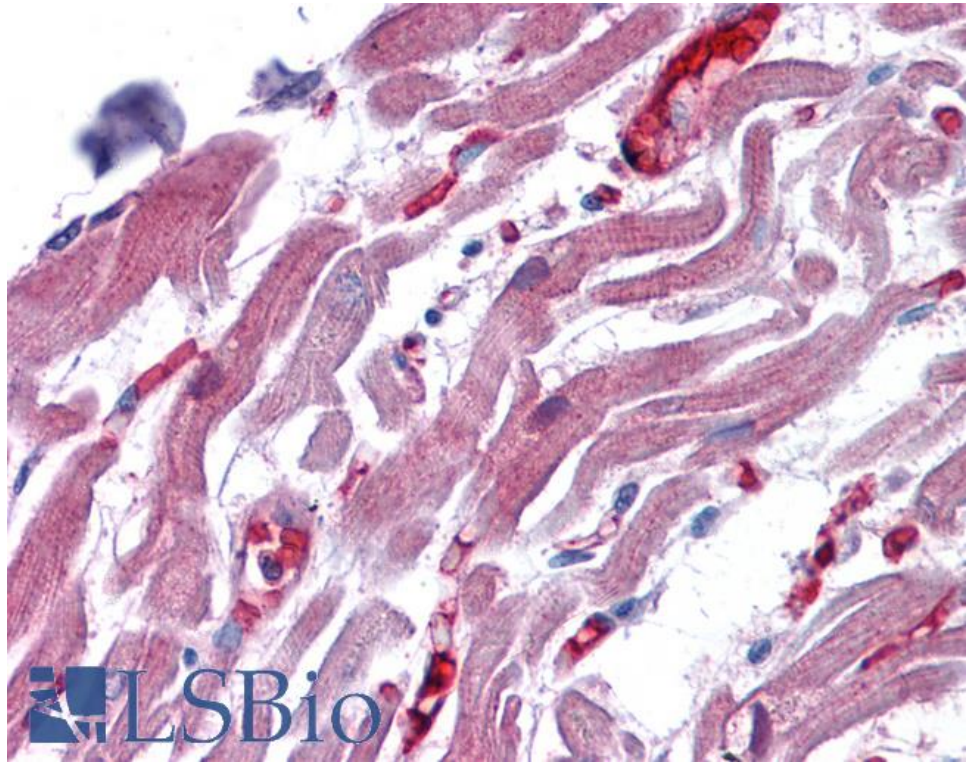
**Expected from sequence similarity:** Human, Mouse, Rat, Pig, Dog, Cow



EB06838 (0.1µg/ml) staining of HepG2 (A), HeLa (B), Jurkat (C) and MCF7 (D) lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB06838 (3.8µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB06838 (3.75µg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.