

Rabbit RAE1 Polyclonal Antibody | anti-RAE1 antibody

RAE1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA279526	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

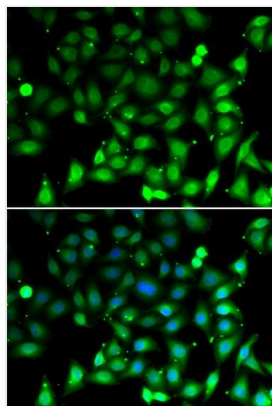
PRODUCT SYNONYMS

RAE1; Polyclonal Antibody; RAE1 Polyclonal Antibody; RAE1;MIG14;MRNP41;Mnnp41;dJ481F12.3;dJ800J21.1; anti-RAE1 antibody

PRODUCT SPECIFICATIONS

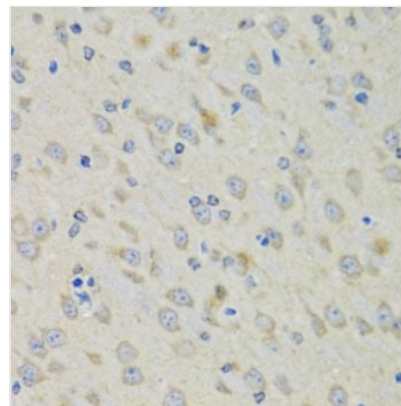
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence Length	368
Applicable Applications for anti-RAE1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequencecorresponding to amino acids 1-368 of human RAE1(NP_003601.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



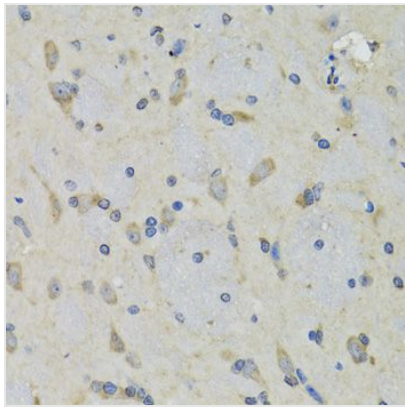
IF (Immunofluorescence)

Immunofluorescence analysis of MCF-7 cells using RAE1 antibody. Blue: DAPI for nuclear staining.



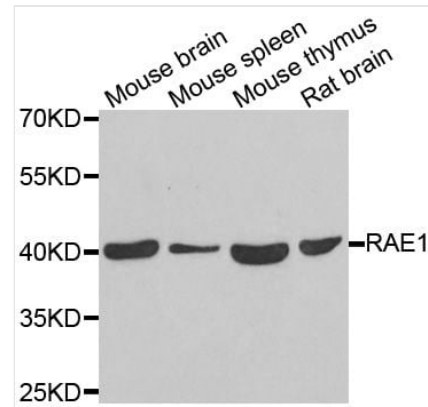
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse brain using RAE1 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat brain using RAE1 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using RAE1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-RAE1 antibody	Mutations in the <i>Schizosaccharomyces pombe</i> Rae1 and <i>Saccharomyces cerevisiae</i> 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.
Product Categories/Family for anti-RAE1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	3122666
NCBI GeneID	8480
UniProt Accession #	P78406; O15306; Q3SYL7; Q5TCH8; Q6V708; Q9H100; Q9NQM6; A8K882
Molecular Weight	40kDa
NCBI Official Full Name	mRNA export factor
NCBI Official Synonym Full Names	ribonucleic acid export 1
NCBI Official Symbol	RAE1
NCBI Official Synonym Symbols	MIG14; MRNP41; Mnrp41; dJ481F12.3; dJ800J21.1
NCBI Protein Information	mRNA export factor; mRNA export protein; rae1 protein homolog; RAE1 RNA export 1 homolog; migration-inducing gene 14; mRNA-binding protein, 41-kD; mRNA-associated protein MRNP 41; homolog of yeast Rae1 (Bharathi) mRNA-associated protein of 41 kDa (Kraemer)
UniProt Protein Name	mRNA export factor
UniProt Gene Name	RAE1
UniProt Synonym Gene Names	MRNP41
UniProt Entry Name	RAE1L_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

