



## Rabbit Anti-RAE1 antibody

SL3791R

<b>Product Name:</b>	RAE1
<b>Chinese Name:</b>	mRNABinding protein抗体
<b>Alias:</b>	RAE-1; MIG 14; MIG14; Mnrp 41; Mnrp41; mRNA associated protein mnrp 41; mRNA binding protein 41 kD; mRNA export protein; MRNP 41; MRNP41; RAE 1; RAE1 (RNA export 1 S.pombe) homolog; RAE1 homolog; Rae1 protein homolog; RAE1 RNA export 1 homolog; RNA export 1; RNA export 1 homolog; Homolog of yeast Rae1 mRNA associated protein of 41 kDa. RAE1L_HUMAN
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	41kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human RAE1:101-200/368
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Mutations in Rae1 and Gle2(Saccharomyces cerevisiae homolog) 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. 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. Depletion of Rae1 from extracts or cells severely inhibits mitotic spindle assembly. Alternatively spliced transcript variants encoding the same protein have been found for this gene.

**Function:**

Binds mRNA. May function in nucleocytoplasmic transport and in directly or indirectly attaching cytoplasmic mRNPs to the cytoskeleton.

**Subunit:**

Interacts with NUP98.

**Subcellular Location:**

Cytoplasm. Nucleus.

**Similarity:**

Belongs to the WD repeat rae1 family.  
Contains 7 WD repeats.

**SWISS:**

P78406

**Gene ID:**

8480

**Database links:**

[Entrez Gene: 8480](#)Human

[Oimim: 603343](#)Human

[SwissProt: P78406](#)Human

[SwissProt: Q3SYL7](#)Human

[Unigene: 371698](#)Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.