



Goat anti-RAE1 Antibody

Item Number	dAP-0679
Target Molecule	Principle Name: RAE1; Official Symbol: RAE1; All Names and Symbols: 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-; Accession Number (s): NP_003601.1; NP_001015885.1; Human Gene ID(s): 8480; Non-Human GeneID(s):
Immunogen	NAAEELKPRNKK, is from C Terminus NP_003601 and NP_001015885 represent identical proteins.
Applications	Pep ELISA, WB, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 64000.
Western Blot	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	Immunohistochemistry: 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.
Reference	Reference(s): Blower MD, Nachury M, Heald R, Weis K. A Rae1-containing ribonucleoprotein complex is required for mitotic spindle assembly. Cell. 2005 Apr 22;121(2):223-34. .PMID: 15851029 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**