



Goat anti-4E-T / EIF4ENIF1 Antibody

Item Number	dAP-0291
Target Molecule	Principle Name: 4E-T / EIF4ENIF1; Official Symbol: EIF4ENIF1; All Names and Symbols: EIF4ENIF1; 4E-T; Clast4; FLJ21601; 2610509L04Rik; eukaryotic translation initiation factor 4E nuclear import factor 1; eIF4E-transporter; FLJ26551; OTTHUMP00000063276; Accession Number (s): NP_062817.2; NP_001157974.1; Human Gene ID(s): 56478; Non-Human GeneID(s): 74203 (mouse)
Immunogen	AKVISVDELEYRQ, is from C Terminus This antibody is expected to recognise isoform 1 (NP_062817.2) and isoform b (NP_001157974.1). Reported variants represent identical protein (NP_062817.2; NP_001157973.1).
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 32000.
Western Blot	Western Blot: Approx 140-150kDa band observed in 293 lysates (predicted size of approx. 108kDa according to NP_062817.1, however our observation agrees with that of Dostie et al (see below)). Recommended for use at 0.25-0.5µg/ml
IHC	Immunohistochemistry: In paraffin embedded Human Pancreas shows strong staining of cytoplasm in acinar cells-. Recommended concentration, 5-10µg/ml.
Reference	Reference(s): Dostie J, Ferraiuolo M, Pause A, Adam SA, Sonenberg N. A novel shuttling protein, 4E-T, mediates the nuclear import of the mRNA 5' cap-binding protein, eIF4E. EMBO J. 2000 Jun 15;19(12):3142-56..PMID: 10856257 ->

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**