

#### **International Office**

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# EB06230 - Goat Anti-4E-T / EIF4ENIF1 Antibody

Size: 100µg specific antibody in 200µl



# **Target Protein**

**Principal Names:** EIF4ENIF1, 4E-T, Clast4, FLJ21601, 2610509L04Rik, eukaryotic translation initiation factor 4E nuclear import factor 1, eIF4E-transporter, FLJ26551,

OTTHUMP0000063276

Official Symbol: EIF4ENIF1

Accession Number(s): NP\_062817.2; NP\_001157974.1

Human GeneID(s): 56478

Non-Human GenelD(s): 74203 (mouse)

Important Comments: 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).

# **Immunogen**

Peptide with sequence C-AKVISVDELEYRQ, from the C Terminus of the protein sequence according to NP\_062817.2; NP\_001157974.1.

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 1:32000.

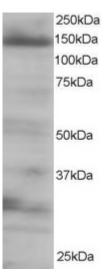
**Western blot:** Approx 140-150kDa band observed in 293 lysates (predicted size of approx. 108kDa according to NP\_062817.1, however our observation agrees with that of Dostie et al (see below) ). Recommended for use at 0.25-0.5µg/ml

**IHC:** In paraffin embedded Human Pancreas shows strong staining of cytoplasm in acinar cells-. Recommended concentration, 5-10µg/ml.

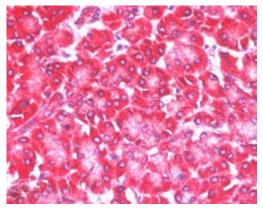
# **Species Reactivity**

Tested: Human

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



EB06230 staining (0.25μg/ml) of 293 lysate (RIPA buffer, 35μg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



EB06230 (5µg/ml) staining of paraffin embedded Human Pancreas. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.