

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06238 - Goat Anti-KPNA4 / IPOA3 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** KPNA4, IPOA3, QIP1, SRP3, MGC12217, MGC26703, karyopherin alpha 4 (importin alpha 3), importin alpha 3, importin-alpha-Q1, karyopherin alpha 4

**Official Symbol:** KPNA4

**Accession Number(s):** NP\_002259.1

**Human GeneID(s):** [3840](#)

### Immunogen

Peptide with sequence C-NSSANVPTEGFQF, from the C Terminus of the protein sequence according to NP\_002259.1.

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 1:128000.

**Western blot:** Approx 55kDa band observed in Human and Mouse Ovary and in Mouse Testis lysates, and approx 60kDa in Rat Testis lysates (calculated MW of 57.9kDa according to Human NP\_002259.1, Mouse NP\_032493.1 and Rat NP\_001014793.1). Recommended concentration: 0.03-0.3µg/ml. Primary incubation 1 hour at room temperature.

### Species Reactivity

**Tested:** Human, Mouse, Rat

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

### Specific References

**This antibody (previous batch) has been successfully used in the following paper:**

Sadequl Islam, Yang Sun, Yuan Gao, Tomohisa Nakamura, Arshad Ali Noorani, Tong Li, Philip C Wong, Noriyuki Kimura, Etsuro Matsubara, Kensaku Kasuga, Takeshi Ikeuchi, Taisuke Tomita, Kun Zou, Makoto Michikawa  
Presenilin Is Essential for ApoE Secretion, a Novel Role of Presenilin Involved in Alzheimer's Disease Pathogenesis.  
J Neurosci. 2022 Feb 23;42(8):1574-1586.  
PMID: 34987110

**This antibody (previous batch) has been successfully used in Western blot on Human and Mouse:**

Huenniger K, Krämer A, Soom M, Chang I, Köhler M, Depping R, Kehlenbach RH, Kaether C.  
Notch1 signaling is mediated by importins alpha 3, 4, and 7.  
Cell Mol Life Sci. 2010 Sep;67(18):3187-96.  
PMID: 20454918

EB06238 staining (0.1µg/ml) of Human Ovary (A), Mouse Testes (B), (0.3ug/ml) Mouse Ovary (C) and (0.03ug/ml) Rat Testes (D) lysate (RIPA buffer, 35µg total protein per lane). Detected by chemiluminescence.