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

EB06237 - Goat Anti-KPNA3 / IPOA4 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: KPNA3, IPOA4, karyopherin alpha 3 (importin alpha 4), RP11-432M24.3, SRP1gamma, SRP4, hSRP1, importin alpha 4, importin alpha 4, importin-alpha-Q2, karyopherin alpha 3, SRP1, importin alpha-3

Official Symbol: KPNA3

Accession Number(s): NP_002258.2

Human GeneID(s): [3839](#)

Non-Human GeneID(s): 16648 (mouse)

Immunogen

Peptide with sequence C-DPTANLQTKENF, from the C Terminus of the protein sequence according to NP_002258.2.

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 60kDa band observed in lysates of cell line HeLa (calculated MW of 57.8kDa according to NP_002258.2). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.

Species Reactivity

Tested: Human

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

Specific References

This antibody has been successfully used in ICC on Mouse:

Ana Jović, Jerome Mertens, Steven Boeynaems, Elke Bogaert, Noori Chai, Shizuka B. Yamada, Joseph W. Paul III, Shuying Sun, Joseph R. Herdy, Gregor Bieri, Nicholas J. Kramer, Fred H. Gage, Ludo Van Den Bosch, Wim Robberecht, and Aaron D. Gitler. Modifiers of C9orf72 dipeptide repeat toxicity connect nucleocytoplasmic transport defects to FTD/ALS.

Nat Neurosci. 2015 Sep;18(9).

PMID: 26308983

This antibody has been successfully used in IP on 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

This antibody has been successfully used in ICC on Rat:

Ohara R, Hata K, Yasuhara N, Mehmood R, Yoneda Y, Nakagawa M, Yamashita T.

Axotomy induces axonogenesis in hippocampal neurons by a mechanism dependent on importin β .

Biochem Biophys Res Commun. 2011 Feb 25;405(4):697-702.

PMID: 21291862

EB06237 (0.1µg/ml) staining of HeLa lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.
EB06237 (5µg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. **This data is from a previous batch, not on sale.**