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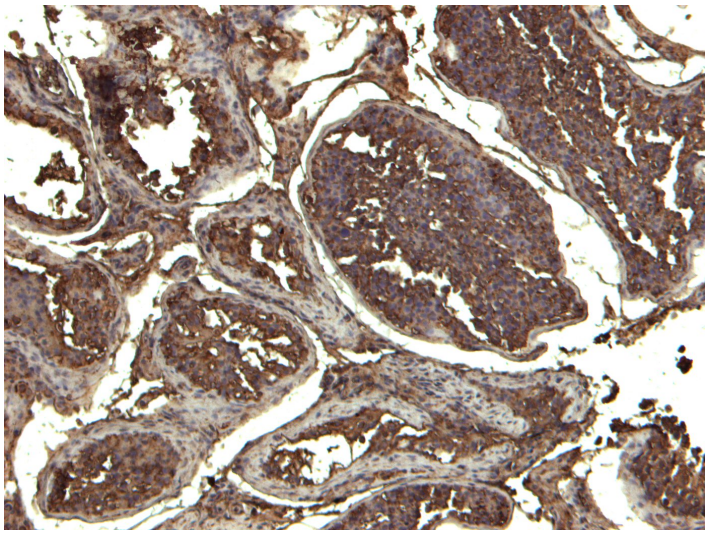
# GOAT ANTI-KPNA3 / IPOA4 ANTIBODY

**SKU:** EB06237



## SPECIFICATIONS

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|---|---|
| **Formulation** | Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. |
| **Unit Size** | 100 µg |
| **Storage Instructions** | Aliquot and store at -20°C. Minimize freezing and thawing. |
| **Synonym / Alias Names** | importin alpha-3\|SRP1\|karyopherin alpha 3\|importin-alpha-Q2\|importin alpha 4\|importin alpha 4\|hSRP1\|SRP4\|SRP1gamma\|RP11-432M24.3\|karyopherin alpha 3 (importin alpha 4)\|IPOA4\|KPNA3 |
| **Usage Summary** | Immunofluorescence: Strong expression of the protein seen in the cytoplasm and nuclei of A431 cells. Recommended concentration: 10µg/ml. Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml. |
| **Accession ID** | NP_002258.2 |
| **Blocking Peptide** | EBP06237 |
| **Immunogen** | Peptide with sequence C-DPTANLQTKEFNF, from the C Terminus of the protein sequence according to NP_002258.2. |
| **Peptide Sequence** | C-DPTANLQTKEFNF |
| **Purification Method** | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| **Shipping Instructions** | Refrigerated |

| | |
|---|---|
| **Predicted Species** | Human, Mouse, Rat, Dog, Cow |
| **Reactive Species** | Human |
| **Human Gene ID** | 3839 |
| **Mouse Gene ID** | 16648 |
| **Product Grade** | https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_plus_medium.png |
| **IHC Results** | Paraffin embedded Human Testis. Recommended concentration: 6µg/ml. |
| **ELISA Detection Limit** | Antibody detection limit dilution 1:128000. |
| **Western Blot** | Approx. 60kDa band observed in lysates of cell lines CaCo-2, HEK293 and MCF7 (calculated MW of 57.8kDa according to NP_002258.2). Recommended concentration: 0.01-0.03µg/ml. Primary incubation 1 hour at room temperature. |
| **Application Type** | Pep-ELISA, WB, IHC, IF, FC |

# SELECTED REFERENCES

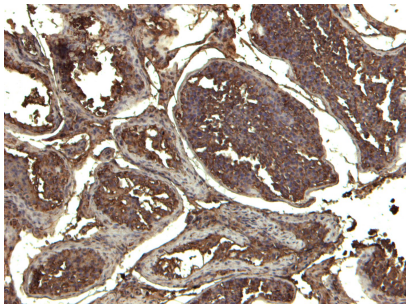
[{"pmid": 30377371, "intro": "**This antibody (previous batch) has been successfully used in the following paper:**", "title": "A high-throughput pipeline for validation of antibodies", "author": "Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen", "journal": "Nat Methods. 2018 Nov;15(11):909-912"}, {"pmid": 20454918, "intro": "**This antibody (previous batch) has been successfully used in WB on Human and Mouse, and in IP on Mouse:**", "title": "Notch1 signaling is mediated by importins alpha 3, 4, and 7.", "author": "Huenniger K, Krämer A, Soom M, Chang I, Köhler M, Depping R, Kehlenbach RH, Kaether C.", "journal": "Cell Mol Life Sci. 2010 Sep;67(18):3187-96."}, {"pmid": 26308983, "intro": "**This antibody (previous batch) has been successfully used on Mouse:**", "title": "Modifiers of C9orf72 dipeptide repeat toxicity connect nucleocytoplasmic transport defects to FTD/ALS.", "author": "Ana Jovi?i?, 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.", "journal": "Nat Neurosci. 2015 Sep;18(9)."}, {"pmid": 21291862, "intro": "**This antibody (previous batch) has been successfully used in ICC on Rat:**", "title": "Axotomy induces axonogenesis in hippocampal neurons by a mechanism dependent on importin ?.", "author": "Ohara R, Hata K, Yasuhara N, Mehmood R, Yoneda Y, Nakagawa M, Yamashita T.", "journal": "Biochem Biophys Res Commun. 2011 Feb 25;405(4):697-702."}, {"pmid": 34987110, "intro": "**This antibody has been successfully used in the following paper:**", "title": "Presenilin Is Essential for ApoE Secretion, a Novel Role

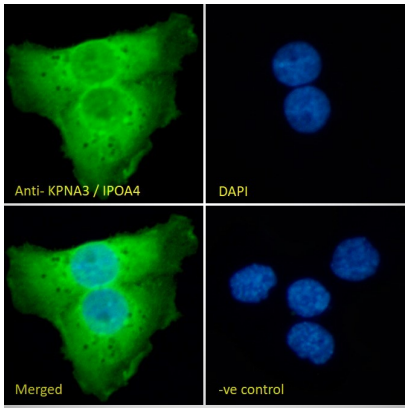
of Presenilin Involved in Alzheimer's Disease Pathogenesis.", "author": "Sadequl Islam, Yang Sun, Yuan Gao, Tomohisa Nakamura, Arshad Ali Noorani, Tong Li, Philip C Wong, Noriyuki Kimura, Etsuro Matsubara, Kensaku Kasuga, Takeshi Ikeuchi, Taisuke Tomita, Kun Zou, Makoto Michikawa", "journal": "J Neurosci. 2022 Feb 23;42(8):1574-1586."}]

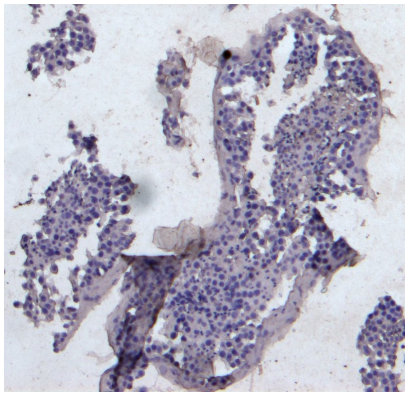
## DOCUMENTS

- Data Sheet

## GALLERY IMAGES





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