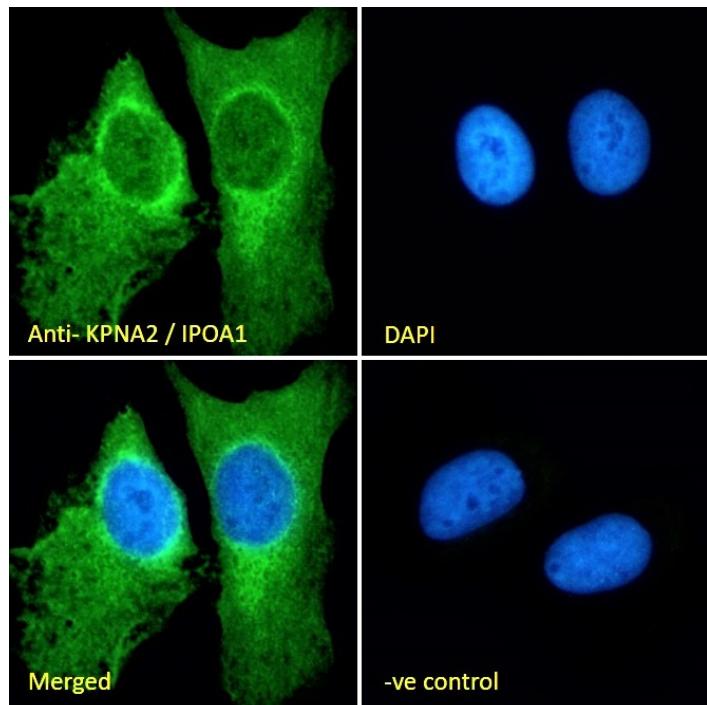


GOAT ANTI-KPNA2 / IPOA1 ANTIBODY

SKU: EB06233



SPECIFICATIONS

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 Aliquot and store at -20°C. Minimize freezing and thawing.
Instructions

Synonym / SRP1-alpha|RAG cohort protein 1|QIP2|importin subunit alpha-2|pendulin|karyopherin subunit alpha-2|importin-

Alias alpha-P1|importin alpha 2|importin alpha 1|RAG cohort 1|karyopherin alpha 2 (RAG cohort 1, importin alpha

Names 1)|SRP1alpha|RCH1|IPOA1|KPNA2

Usage **Immunofluorescence:** Strong expression of the protein seen in U2OS and A549 cells.

Summary Recommended concentration: 10µg/ml. **Flow Cytometry:** Flow cytometric analysis of A549 cells. Recommended concentration: 10ug/ml.

Accession ID NP_002257.1

Blocking Peptide EBP06233

Immunogen Peptide with sequence C-QVQDGAPGTFNF, from the C Terminus of the protein sequence according to NP_002257.1.

Peptide Sequence	C-QVQDGAPGTFNF
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
Reactive Species	Human, Rat
Human Gene ID	3838
Mouse Gene ID	16647
Rat Gene ID	85245
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: 5µg/ml.
ELISA Detection Limit	Antibody detection limit dilution 1:32000.
Western Blot	Approx 55kDa band observed in lysates of cell lines CaCo-2, Jurkat, and KNRK, and approx. 58kDa in lysates of cell lines MCF7 and A549 (calculated MW of 57.9kDa according to Human NP_002257.1 and Rat NP_001257731.1). Recommended concentration 0.03-0.1µg/ml. Primary incubation 1 hour at room temperature.
Application Type	Pep-ELISA, WB, IHC, IF, FC

SELECTED REFERENCES

[{"pmid": 23973294, "intro": "**This antibody (previous batch) has been successfully used in Western blot on Mouse:**", "title": "The nuclear accumulation of alpha-synuclein is mediated by importin alpha and promotes neurotoxicity by accelerating the cell cycle.", "author": "Ma KL, Song LK, Yuan YH, Zhang Y, Han N, Gao K, Chen NH", "journal": "Neuropharmacology. 2014 Jul;82:132-42"}, {"pmid": 36861403, "intro": "**This antibody has been successfully used in WB on Human:**", "title": "Characterization of the nuclear import of the human CHD4-NuRD complex.", "author": "Helen Hoffmeister, Simon Holzinger, Marie-Sofie Dürr, Astrid Bruckmann, Susanne Schindler, Regina Gröbner-Ferreira, Reinhard Depping and Gernot Längst", "journal": "Cell Sci. 2023 Apr 1;136(7):jcs260724."}, {"pmid": 1, "intro": "**This antibody has been successfully used in the following paper:**", "title": "Acetylation of nuclear localization signal controls importin-mediated nuclear transport of Ku70", "author": "Fujimoto H, Ikuta T, Koike A and Koike M", "journal": "https://doi.org/10.1101/403485 (August 29, 2018)"}]

DOCUMENTS

- [Data Sheet](#)

GALLERY IMAGES

