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GOAT ANTI-KINESIN 1 / UKHC ANTIBODY

SKU: EB05492

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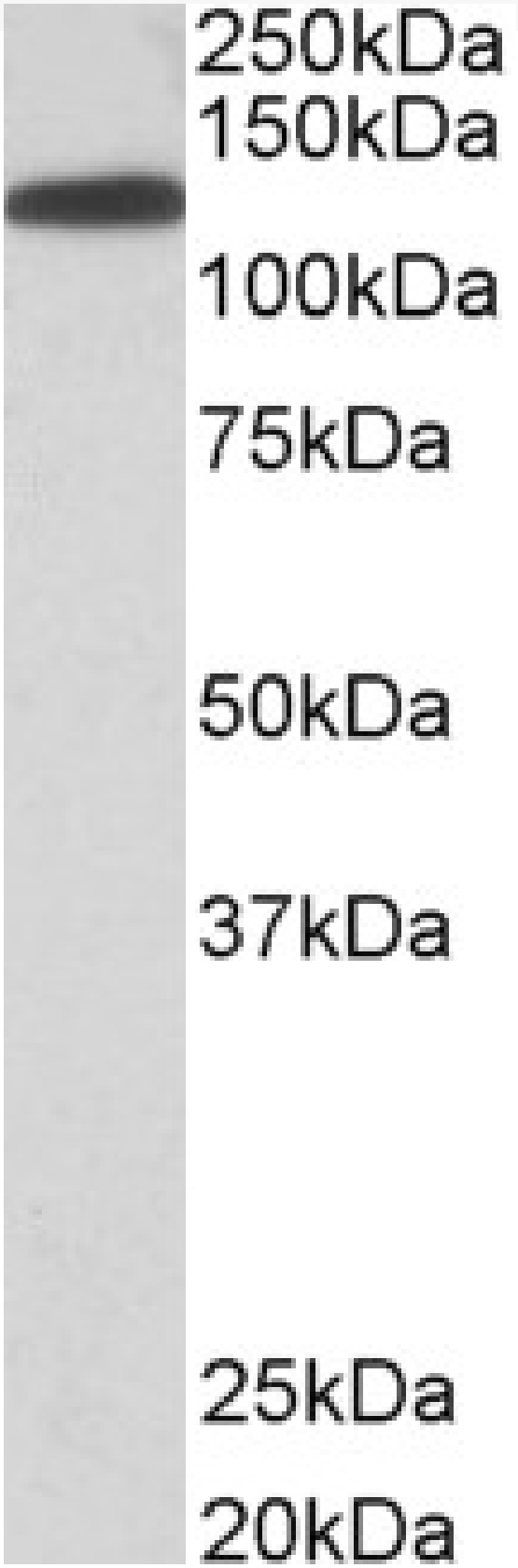

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SPECIFICATIONS

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 Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	kinesin heavy chain|U-KHC|KNS1|KINH|KNS|kinesin family member 5B|kinesin 1 (110-120kD)|UKHC|KIF5B
Usage Summary	Additional validation: This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371. Immunofluorescence:This antibody has been successfully used in IF on Human: Connell et al. (2019) PMID: 31587092.
Accession ID	NP_004512.1
Blocking Peptide	EBP05492
Immunogen	Peptide with sequence C-QPVAVRGGGGKQV, from the C Terminus of the protein sequence according to NP_004512.1.
Peptide Sequence	C-QPVAVRGGGGKQV
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	3799
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png
ELISA Detection Limit	Antibody detection limit dilution 1:8000.
Western Blot	Approx 110kDa band observed in lysates of the cell lines Jurkat and HeLa (calculated MW of 110kDa according to NP_004512.1). Recommended concentration: 0.5-1.5µg/ml. Primary incubation was 1 hour. This antibody has been successfully used in WB on Human: Connell et al. (2019) PMID: 31587092.
Application Type	Pep-ELISA, WB, IF

SELECTED REFERENCES

[{"pmid": 31587092, "intro": "**This antibody has been successfully used in WB and IF on Human:**", "title": "ESCRT?III?associated proteins and spastin inhibit protrudin?dependent polarised membrane traffic", "author": "James W. Connell, Rachel J. Allison, Catherine E. Rodger, Guy Pearson, Eliska Zlamalova, Evan Reid", "journal": "Cell Mol Life Sci. 2019 Oct 5. doi: 10.1007/s00018-019-03313-z"}, {"pmid": 30246279, "intro": "**This antibody has been successfully used in the following paper:**", "title": "The large GTPase Mx1 binds Kif5B for cargo transport along microtubules.", "author": "Ringer K, Riehl J, Müller M, Dewes J, Hoff F, Jacob R", "journal": "Traffic. 2018 Dec;19(12):947-964."}, {"pmid": 20094756, "intro": "**This antibody (previous batch) has been successfully used in the following paper:**", "title": "KIF5C, a kinesin motor involved in apical trafficking of MDCK cells.", "author": "Astanina K, Jacob R.", "journal": "Cell Mol Life Sci. 2010 Apr;67(8):1331-42."}, {"pmid": 18817524, "intro": "**This antibody (previous batch) has been successfully used in IF on Human:**", "title": "Kinesin-1 (uKHC/KIF5B) is required for bidirectional motility of ER exit sites and efficient ER-to-Golgi\r\ntransport.", "author": "Gupta V, Palmer KJ, Spence P, Hudson A, Stephens DJ.", "journal": "Traffic. 2008 Nov;9(11):1850-66."}, {"pmid": 30377371, "intro": "**This antibody 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": 28490438, "intro": "**This antibody (previous batch) has been successfully used in WB on Mouse:**", "title": "Deficiency in kinesin-1 recruitment to melanosomes precludes it from facilitating their centrifugal transport.", "author": "Robinson CL, Evans RD, Briggs DA, Ramalho JS, Hume AN.", "journal": "J Cell Sci. 2017 May 10. pii: jcs.186064."}, {"pmid": 26656703, "intro": "**This antibody (previous batch) has been successfully used in WB:**", "title": "The Basic Domain of Herpes Simplex Virus 1 pUS9 Recruits Kinesin- 1 To Facilitate Egress from Neurons", "author": "Diefenbach RJ, Davis A, Miranda-Saksena M, Fernandez MA, Kelly BJ, Jones CA, LaVail JH, Xue J, Lai J, Cunningham AL", "journal": "J Virol. 2015 Dec 9;90(4):2102-11"}]

GALLERY IMAGES

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