

Datasheet: VPA00053

Description:	GOAT ANTI KINESIN HEAVY CHAIN
Specificity:	KINESIN HEAVY CHAIN
Format:	Purified
Product Type:	PrecisionAb™ Polyclonal
Isotype:	Polyclonal IgG
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Goat polyclonal antibody purified by affinity chromatography
Buffer Solution	TRIS buffered saline
Preservative	0.02% Sodium Azide (NaN ₃)
Stabilisers	0.5% Bovine Serum Albumin
Immunogen	Peptide sequence C-QPVAVRGGGGKQV from the C-terminal region of kinesin heavy chain.
External Database Links	<p>UniProt: P33176 Related reagents</p> <p>Entrez Gene: 3799 KIF5B Related reagents</p>
Synonyms	KNS, KNS1

Specificity **Goat anti Human kinesin heavy chain antibody** recognizes the heavy chain of human kinesin, also known as kinesin-1 heavy chain, conventional kinesin heavy chain, ubiquitous kinesin heavy chain or KIF5B.

Kinesin heavy chain is a 963 amino acid microtubule dependent motor protein. This protein is a member of the kinesin-like protein family and principal component of kinesin, involved in the plus end-directed transport of eukaryotic cell vesicles and organelles.

Kinesins are microtubule associated motor proteins which consist of 2 identical (60-70 kDa) light chains and 2 identical (110-120 kDa) heavy chains, the latter of which contain a globular C-terminal tail domain, a central alpha helical rod domain and a globular N-terminal motor domain with microtubule-stimulated ATPase activity.

Goat anti Human kinesin heavy chain antibody recognizes kinesin heavy chain as a band of 110 kDa in a wide range of human cell line lysates. Cross reactivity with rodent cell lines is also observed.

Western Blotting Goat anti kinesin heavy chain detects a band of approximately 110 kDa in HEK293 cell lysates.

Instructions For Use Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

Storage Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Shelf Life As supplied, 12 months from date of despatch.

Acknowledgements PrecisionAb™ is a trademark of Bio-Rad Laboratories.

Health And Safety Information Material Safety Datasheet documentation #10058 available at: Antibody (10058): <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [HRP](#)

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