

## Datasheet: VPA00053

<b>Description:</b>	GOAT ANTI KINESIN HEAVY CHAIN
<b>Specificity:</b>	KINESIN HEAVY CHAIN
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

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

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** 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 dependent on sample type.

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

<b>Specificity</b>	<p><b>Goat anti Human kinesin heavy chain antibody</b> recognizes the heavy chain of human kinesin, also known as kinesin-1 heavy chain, conventional kinesin heavy chain, ubiquitous kinesin heavy chain or KIF5B.</p> <p>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.</p> <p>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.</p> <p>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.</p>
<b>Western Blotting</b>	Goat anti kinesin heavy chain detects a band of approximately 110 kDa in HEK293 cell lysates.
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10058 available at: Antibody (10058): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

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