

Datasheet: AHP1395

Description:	GOAT ANTI HUMAN KINESIN HEAVY CHAIN (C-TERMINAL)
Specificity:	KINESIN HEAVY CHAIN (C-TERMINAL)
Other names:	KIF5B
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

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
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin (1)	■			1.0 - 2.0ug/ml
ELISA	■			1/8,000
Immunoprecipitation			■	
Western Blotting	■			0.5 - 1.5ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Human
Species Cross Reactivity	Reacts with: Dog N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to human kinesin heavy chain (CT) was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
Buffer Solution	TRIS buffered saline
Preservative Stabilisers	0.02% Sodium Azide (NaN ₃) 0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5mg/ml

Immunogen	Peptide sequence C-QPVAVRGGGGKQV from the C-terminal region of kinesin heavy chain (NP_004512.).
External Database Links	UniProt: P33176 Related reagents Entrez Gene: 3799 KIF5B Related reagents
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 containing a kinesin motor domain. otherwise known as , 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. Goat anti human kinesin heavy chain antibody binds to an epitope within the C-terminal (CT) region of human kinesin heavy chain (KHC), 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.
Histology Positive Control Tissue	Human kidney
Western Blotting	AHP1395 detects a band of approximately 120kDa in human kidney cell lysates.
Further Reading	1. Navone, F. <i>et al.</i> (1992) Cloning and expression of a human kinesin heavy chain gene: interaction of the COOH-terminal domain with cytoplasmic microtubules in transfected CV-1 cells. J Cell Biol. 117 (6): 1263-75.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10058 available at: 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...) [FITC](#), [HRP](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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