Datasheet: AHP18H

Description:	SHEEP ANTI HUMAN CATHEPSIN B
Specificity:	CATHEPSIN B
Other names:	CTSB
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 ml

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			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/500
Immunodiffusion	▪			

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species

Human

Product Form

Purified IgG - liquid

Antiserum Preparation

Antisera to human cathepsin B were raised by repeated immunisation of sheep with highly purified antigen. Purified IgG was prepared from whole serum by ion exchange chromatography.

Buffer Solution

Glycine buffered saline

Preservative Stabilisers

0.09% Sodium Azide
0.1% EACA
0.01% Benzamidine
1mM EDTA

Immunogen

Human cathepsin B purified from liver.

External Database Links

UniProt:

P07858 Related reagents

Entrez Gene:
1508 CTSB Related reagents

Synonyms	CPSB
Specificity	**Sheep anti Human Cathepsin B antibody** recognizes human Cathepsin B, also known as APP secretase. Cathepsin B is a 255 amino acid ~29 kDa lysosomal serine protease.
References	1. Martin, S.L. *et al.* (2010) Association of airway cathepsin B and S with inflammation in cystic fibrosis. Pediatr Pulmonol. 45 (9): 860-8. 2. Brookes, N.H. *et al.* (2003) Involvement of corneal nerves in the progression of keratoconus. Exp Eye Res. 77 (4): 515-24. 3. Falgueyret, J.P. *et al.* (2004) An activity-based probe for the determination of cysteine cathepsin protease activities in whole cells. Anal Biochem. 335 (2): 218-27.
Storage	Store at +4^{o}C or at -20^{o}C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	Please see label for expiry date.
Health And Safety Information	Material Safety Datasheet Documentation #10087 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10087.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2304...)	Biotin
Donkey Anti Sheep IgG (STAR88...)	DyLight®488, DyLight®549, DyLight®649, FITC, HRP

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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