

Datasheet: AHP1582

Description:	GOAT ANTI HUMAN TRIM5 alpha (N-TERMINAL)
Specificity:	TRIM5 ALPHA (N-TERMINAL)
Other names:	RNF88
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)	■			1.0ug/ml
ELISA	■			1/16000
Immunoprecipitation			■	
Western Blotting	■			1.0 - 3.0ug/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
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to human TRIM5alpha (NT) was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	TRIS buffered saline
Preservative	0.02% Sodium Azide (NaN ₃)
Stabilisers	0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5mg/ml
Immunogen	Peptide sequence ASGILVNVKEEVTC corresponding to the N-Terminal region of TRIM5 (NP_149023.1; NP_149083.1; NP_149084.1).

**External Database
Links**

UniProt:

[Q9C035](#)

[Related reagents](#)

Entrez Gene:

[85363](#)

TRIM5

[Related reagents](#)

Synonyms

RNF88

Specificity

Goat anti Human TRIM5 alpha antibody recognizes an epitope within the N-terminal (NT) region of human TRIM5alpha, otherwise known as RNF88 (RING finger protein 88), a cytoplasmic protein and member of the TRIM/RBCC family, known to play a vital role in species-specific early defence against retrovirus infection.

The association of TRIM5 with specific retroviral capsid sequences determines the effectiveness of the defence against infection. For example, in Old World monkeys, TRIM5alpha specifically associates with HIV type 1 (HIV-1), whereas in humans TRIM5alpha is not effective against HIV-1, but can inhibit strains of the murine leukaemia virus (MLV).

**Histology Positive
Control Tissue**

Human tonsil

Western Blotting

AHP1582 detects a band of approximately 37kDa in human brain cell lysates.

Further Reading

1. Lee, K. & Kewalramani, V.N. (2004) In defense of the cell: TRIM5alpha interception of mammalian retroviruses. [Proc Natl Acad Sci U S A. 101 \(29\): 10496-7.](#)

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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