

## Datasheet: AHP1582

<b>Description:</b>	GOAT ANTI HUMAN TRIM5 alpha (N-TERMINAL)
<b>Specificity:</b>	TRIM5 ALPHA (N-TERMINAL)
<b>Other names:</b>	RNF88
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	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.
<b>Buffer Solution</b>	TRIS buffered saline
<b>Preservative</b>	0.02% Sodium Azide (NaN <sub>3</sub> )

<b>Stabilisers</b>	0.5% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5mg/ml
<b>Immunogen</b>	Peptide sequence ASGILVNVKEEVTC corresponding to the N-Terminal region of TRIM5 (NP_149023.1; NP_149083.1; NP_149084.1).
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q9C035</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">85363</a> TRIM5    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	RNF88
<b>RRID</b>	AB_2272282
<b>Specificity</b>	<p><b>Goat anti Human TRIM5 alpha antibody</b> 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.</p> <p>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).</p>
<b>Histology Positive Control Tissue</b>	Human tonsil
<b>Western Blotting</b>	AHP1582 detects a band of approximately 37kDa in human brain cell lysates.
<b>Further Reading</b>	1. Lee, K. & Kewalramani, V.N. (2004) In defense of the cell: TRIM5alpha interception of mammalian retroviruses. <a href="#">Proc Natl Acad Sci U S A. 101 (29): 10496-7.</a>
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10058 available at: 10058: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf</a>

## Related Products

### Recommended Secondary Antibodies

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

### Recommended Useful Reagents

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

[100x ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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