

Datasheet: AHP2266

Description:	GOAT ANTI HUMAN MANIC FRINGE
Specificity:	MANIC FRINGE
Other names:	MFNG
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)	▪			2.0 - 4.0ug/ml
ELISA	▪			1/8000
Immunoprecipitation			▪	
Western Blotting		▪		

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. Tris/EDTA buffer pH 9.0 is recommended for this purpose.

Target Species	Human
Species Cross Reactivity	Based on sequence similarity, is expected to react with: Bovine N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
Product Form	Purified IgG - liquid

Antiserum Preparation Antiserum to human MFNG was raised by repeated immunisation of goats with highly

purified antigen. Purified IgG was prepared by affinity chromatography using the immunizing peptide

Buffer Solution	TRIS buffered saline
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Preservative	0.02% Sodium Azide (NaN ₃)
Stabilisers	0.5% Bovine Serum Albumin

Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
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Immunogen	Synthetic peptide sequence C-NRPIHASEPQPHNRT from the internal region of Manic Fringe (NP_002396.2; NP_001159815.1)
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External Database Links	UniProt: O00587 Related reagents
	Entrez Gene: 4242 MFNG Related reagents

Specificity	<p>Goat anti Human Manic Fringe antibody recognises Manic Fringe. Manic fringe (MFNG), Lunatic Fringe (LFNG) and Radical Fringe (RFNG) are members of the mammalian fringe gene family, which exhibit fucose-specific beta1,3 N-acetylglucosaminyltransferase activity. These proteins act as modulators during ligand activation of the Notch signaling pathway, through the elongation of Notch fucose residues.</p> <p>The Notch signaling pathway is an evolutionarily conserved pathway in multicellular organisms, which is vital for cell-cell communication, important during fundamental developmental and physiological processes, including regulation of cell fate decisions during neuronal, cardiac and endocrine development, stem cell hematopoiesis, thymic T cell development, and both tumor progression and suppression.</p>
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Histology Positive Control Tissue	Human Cerebral Cortex
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Further Reading	1. Bray, S.J. (2006) Notch signalling: a simple pathway becomes complex. Nat Rev Mol Cell Biol. 7 (9): 678-89.
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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.
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Guarantee	18 months from date of despatch.
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Health And Safety	Material Safety Datasheet documentation #10058 available at:
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Information 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](#)

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