

Datasheet: AHP773

Description:	RABBIT ANTI HUMAN GRO BETA
Specificity:	GRO BETA
Other names:	CXCL2
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)	▪			
ELISA	▪			0.5ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			0.5 - 1.0ug/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 - lyophilised
Reconstitution	Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended. NB. For functional studies do not azide.
Antiserum Preparation	Antisera to human GRO-beta were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	IgG concentration 1.0mg/ml

Immunogen	Recombinant human GRO-beta.
External Database Links	<p>UniProt: P19875 Related reagents</p> <p>Entrez Gene: 2920 CXCL2 Related reagents</p>
Synonyms	GRO2, GROB, MIP2A, SCYB2
Specificity	<p>Rabbit anti Human GRO beta antibody recognizes human GRO-beta, also known as Growth-regulated protein beta, C-X-C motif chemokine 2, Macrophage inflammatory protein 2-alpha, MIP-2α or CXCL2. GRO beta is a ~7.9 kDa CXC chemokine and one of three closely related, but distinct GRO gene products, which act as chemoattractants and activators of neutrophils and basophils.</p> <p>Like GRO-alpha (CXCL1) and GRO-gamma (CXCL3), GRO-beta contains the ELR-motif (N-terminal Glu-Leu-Arg amino acid sequence) and signals through the CXCR1 and CXCR2 receptors, though studies have shown that GRO-beta has a lower potency and receptor binding affinity (Geiser <i>et al.</i> 1993).</p>
References	<ol style="list-style-type: none"> Haskill, S. <i>et al.</i> (1990) Identification of three related human GRO genes encoding cytokine functions. Proc Natl Acad Sci U S A. 87 (19): 7732-6. Geiser, T. <i>et al.</i> (1993) The interleukin-8-related chemotactic cytokines GRO alpha, GRO beta, and GRO gamma activate human neutrophil and basophil leukocytes. J Biol Chem. 268 (21): 15419-24. Kogan-sakin, I. <i>et al.</i> (2009) Prostate stromal cells produce CXCL-1, CXCL-2, CXCL-3 and IL-8 in response to epithelia-secreted IL-1. Carcinogenesis. 30 (4): 698-705.
Storage	<p>Prior to reconstitution store at +4°C.</p> <p>After reconstitution store at -20°C.</p> <p>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.</p>
Shelf Life	12 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	FITC
Sheep Anti Rabbit IgG (STAR35...)	RPE
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin , FITC , HRP
Sheep Anti Rabbit IgG (2AB02...)	Biotin

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

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

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

[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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