Datasheet: AHP1038

Description:	RABBIT ANTI HUMAN FGF BASIC
Specificity:	FGF BASIC
Other names:	FGF2
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)	▪			0.25 - 0.5 ug/ml
ELISA	▪			0.5 ug/ml - 2.0 ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2 ug/ml
Functional Assays	▪			0.25 - 0.40 ug/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 add azide.
Antiserum Preparation	Antisera to human FGF basic 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 1.0 mg/ml after reconstitution

Immunogen	Recombinant human FGF basic (PHP105)
External Database Links	**UniProt:** P09038 Related reagents **Entrez Gene:** 2247 FGF2 Related reagents
Synonyms	FGFB
Specificity	**Rabbit anti Human FGF basic polyclonal antibody** recognizes human Fibroblast Growth Factor (FGF) basic, otherwise known as FGF 2 (fibroblast growth factor 2), a member of the heparin-binding growth factor family which exists in both cytosolic and nuclear isoforms, ranging in size from 18-24kDa, expressed by the majority of cells and tissues. FGF basic is a multi-functional growth factor identified as a potent inducer of angiogenesis, an important factor in wound healing, tumour vascularisation and cardiovascular disease and is pivotal for the development and maintenance of vascular integrity during embryogenesis. The recombinant basic FGF protein used as immunogen for development of Rabbit anti Human FGF basic polyclonal antibody corresponds to the C-terminal portion of the molecule (A_{135} - S_{288}), present in all known isoforms of human FGF basic, thus all isoforms are expected to be recognized by this Rabbit anti Human FGF basic polyclonal antibody.
ELISA	This product may be used in an indirect ELISA or as a capture antibody in a sandwich ELISA together with AHP1038B as the detection reagent and PHP105 as the standard.
Histology Positive Control Tissue	Human breast invasive ductal carcinoma
References	1. Qian, X. *et al*. (1997) FGF2 concentration regulates the generation of neurons and glia from multipotent cortical stem cells. Neuron. 18: 81-93. 2. Yan, W. *et al.* (2017) High mechanical strength chitosan-based hydrogels cross-linked with poly(ethylene glycol)/polycaprolactone micelles for the controlled release of drugs/growth factors J Mater Chem B. 5 (5): 961-71.
Storage	Prior to reconstitution store at +4ºC. After reconstitution store at -20ºC. Storage in frost-free freezers is not recommended. This product should be storde 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	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)

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

'M279177:160115'

Printed on 01 May 2018