

Datasheet: AHP1483

Description:	RABBIT ANTI HUMAN IGFBP-9
Specificity:	IGFBP-9
Other names:	NOV
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	▪			0.5 - 2.0ug/ml
Western Blotting	▪			0.1 - 0.2ug/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. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.
Antiserum Preparation	Antiserum to human IGFBP-9 was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein	IgG concentration 1.0mg/ml

Concentrations

Immunogen Recombinant human IGFBP-9.

External Database Links

UniProt:

[P48745](#) [Related reagents](#)

Entrez Gene:

[4856](#) NOV [Related reagents](#)

Synonyms CCN3, IGFBP9, NOVH

Specificity

Rabbit anti Human IGFBP-9 antibody recognizes human IGFBP-9 (insulin-like growth factor binding protein- 9), also known as NOV/CCN3, a 326 amino acid cysteine-rich secreted regulatory protein and member of the CCN family, containing the domains IGFBP, VWFC, C-Terminal cysteine knot-like and thrombospondin type I repeat.

IGFBP-9 is an inducer of cell migration and adhesion and shows increased expression in Wilm's tumours and nephroblastomas. In contrast, decreased expression of IGFBP-9 correlates with an increase in tumourgenicity in certain cancers including childhood adrenocortical tumors (ACT).

References

1. Abd El Kader, T. *et al.* (2013) Anti-fibrotic effect of CCN3 accompanied by altered gene expression profile of the CCN family. [J Cell Commun Signal. 7 \(1\): 11-8.](#)

Further Reading

1. Perbal, B. (2001) NOV (nephroblastoma overexpressed) and the CCN family of genes: structural and functional issues. [Mol Pathol. 54 \(2\): 57-79.](#)

Storage

Prior to reconstitution store at +4°C.

After reconstitution store at -20°C.

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

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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'M294588:161005'

Printed on 01 May 2018

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