

Datasheet: VPA00640

Description:	RABBIT ANTI IMPDH2
Specificity:	IMPDH2
Format:	Purified
Product Type:	PrecisionAb™ Polyclonal
Isotype:	Polyclonal IgG
Quantity:	100 µl

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
Western Blotting	■			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Rabbit polyclonal antibody purified by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide 2% Sucrose
Immunogen	Synthetic peptide encompassing part of the N terminal region of human IMPDH2
External Database Links	UniProt: P12268 Related reagents Entrez Gene: 3615 IMPDH2 Related reagents
Synonyms	IMPD2
Specificity	Rabbit anti Human IMPDH2 antibody recognizes inosine-5'-monophosphate dehydrogenase 2, also known as IMP (inosine monophosphate) dehydrogenase 2, IMP oxireductase 2, inosine 5' phosphate dehydrogenase 2 or inosine monophosphate dehydrogenase type II.

The IMPDH2 gene encodes the rate-limiting enzyme in the de novo guanine nucleotide biosynthesis. It is thus involved in maintaining cellular guanine deoxy- and ribonucleotide pools needed for DNA and RNA synthesis. The encoded protein catalyzes the NAD-dependent oxidation of inosine-5'-monophosphate into xanthine-5'-monophosphate, which is then converted into guanosine-5'-monophosphate. IMPDH2 is up-regulated in some neoplasms, suggesting it may play a role in malignant transformation (provided by RefSeq, Jul 2008).

Rabbit anti Human IMPDH2 antibody detects a band of 56 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting	Rabbit anti IMPDH2 detects a band of approximately 56 kDa in K562 cell lysates
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 12 months from date of despatch.
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10045 available at: Antibody (10045): https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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Printed on 01 May 2018