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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP54366_P050-FITC
Product Page	www.avivasysbio.com/impdh2-antibody-c-terminal-region-fitc-arp54366-p050-fitc.html
Name	IMPDH2 Antibody - C-terminal region : FITC (ARP54366_P050-FITC)
Protein Size (# AA)	514 amino acids
Molecular Weight	56kDa
Conjugation	FITC: Fluorescein Isothiocyanate
NCBI Gene Id	3615
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	IMP (inosine 5'-monophosphate) dehydrogenase 2
Alias Symbols	IMPD2, IMPDH-II
Peptide Sequence	Synthetic peptide located within the following region: SCQDIGAKSLTQVRAMMYSGELKFEKRTSSAQVEGGVHSLHSYEKRLF
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Grinyo,J., (er) Transpl. Int. (2008) In press
Description of Target	IMPDH2 is 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. It 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. This 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. This gene is up-regulated in some neoplasms, suggesting it may play a role in malignant transformation. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Protein Interactions	RSG1; APIP; HUWE1; UBC; IMPDH2; CDK2; RPA1; RPA3; RPA2; PRKAR2A; IMPDH1; EIF2S3; PARK2; MAPK10; SOX2; NPM1; PEX14; FN1; RPLP0P6; RPS6; RPL15; FOLR1; FBXO6; GRB2; UBQLN4; PIAS4; COPS5; COPS6; CUL3; YWHAZ; FBXO25; SIRT7; HDAC5; MME; SUMO4; AKT1; IKBKE; ATG5
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-IMPDH2 (ARP54366_P050-FITC) antibody
Blocking Peptide	For anti-IMPDH2 (ARP54366_P050-FITC) antibody is Catalog # AAP54366 (Previous Catalog # AAP31141)
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human IMPDH2
Uniprot ID	P12268
Protein Name	Inosine-5'-monophosphate dehydrogenase 2
Protein Accession #	NP_000875
Purification	Affinity Purified
Nucleotide Accession #	NM_000884
Gene Symbol	IMPDH2

Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Yeast, Zebrafish
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Yeast: 92%; Zebrafish: 93%
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.