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Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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IMPDH1 Antibody - middle region : Biotin (ARP54363_P050-Biotin)

Data Sheet

Product Number	ARP54363_P050-Biotin
Product Page	www.avivasysbio.com/impdh1-antibody-middle-region-biotin-arp54363-p050-biotin.html
Name	IMPDH1 Antibody - middle region : Biotin (ARP54363_P050-Biotin)
Protein Size (# AA)	563 amino acids
Molecular Weight	62kDa
Conjugation	Biotin
NCBI Gene Id	3614
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	IMP (inosine 5'-monophosphate) dehydrogenase 1
Alias Symbols	IMPD, RP10, IMPD1, LCA11, IMPDH-I, sWSS2608
Peptide Sequence	Synthetic peptide located within the following region: KKGKLPVNDCELVAIARTDLKKNRDYPLASKDSQKQLLCGAAVGTRE
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Wang,J., (2008) Clin. Pharmacol. Ther. 83 (5), 711-717
Description of Target	IMPDH1 acts as a homotetramer to regulate cell growth. It is an enzyme that catalyzes the synthesis of xanthine monophosphate (XMP) from inosine-5'-monophosphate (IMP). This is the rate-limiting step in the de novo synthesis of guanine nucleotides. Defects in this gene are a cause of retinitis pigmentosa type 10 (RP10).
Protein Interactions	UBC; LAMP2; IMPDH2; XRCC6; GMNN; HTRA1; DDX3X; SUMO4;
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-IMPDH1 (ARP54363_P050-Biotin) antibody
Additional Information	IHC Information: Human Pancreas (formalin-fixed, paraffin-embedded) stained with IMPDH1 antibody ARP54363_P050 followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen. IHC Information: Human Pancreas (formalin-fixed, paraffin-embedded) stained with IMPDH1 antibody ARP54363_P050 followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.
Blocking Peptide	For anti-IMPDH1 (ARP54363_P050-Biotin) antibody is Catalog # AAP54363 (Previous Catalog # AAP31138)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human IMPDH1
Uniprot ID	P20839
Protein Name	Inosine-5'-monophosphate dehydrogenase 1
Sample Type Confirmation	IMPDH1 is supported by BioGPS gene expression data to be expressed in HeLa
Protein Accession #	NP_899066
Purification	Affinity Purified
Nucleotide Accession #	NM_183243
Gene Symbol	IMPDH1

Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Yeast, Zebrafish
Application	IHC, 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: 79%; Zebrafish: 100%
Image 1	

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

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Optimal conditions of its use should be determined by end users.