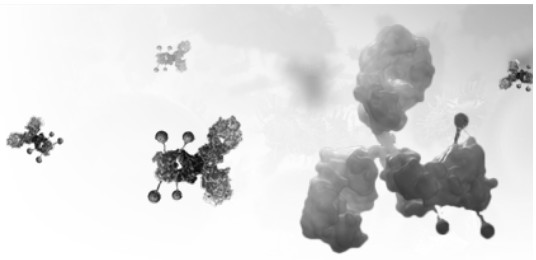

Human IMPDH2 blocking peptide (CDBP1598)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-IMPDH2 antibody
Antigen Description	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. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	IMPDH2 IMP (inosine 5-monophosphate) dehydrogenase 2 [Homo sapiens]
Official Symbol	IMPDH2
Synonyms	IMPDH2; IMP (inosine 5-monophosphate) dehydrogenase 2; inosine-5-monophosphate dehydrogenase 2; IMPD 2; IMPDH 2; IMP oxireductase 2; inosine 5 phosphate dehydrogenase

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	2; IMP (inosine monophosphate) dehydrogenase 2; inosine monophosphate dehydrogenase type II; IMPD2; IMPDH-II;
Entrez Gene ID	3615
mRNA Refseq	NM_000884
Protein Refseq	NP_000875
UniProt ID	P12268
Chromosome Location	3p21.2
Pathway	Drug metabolism - other enzymes, organism-specific biosystem; Drug metabolism - other enzymes, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, organism-specific biosystem;
Function	DNA binding; IMP dehydrogenase activity; RNA binding; metal ion binding; nucleotide binding; oxidoreductase activity;

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