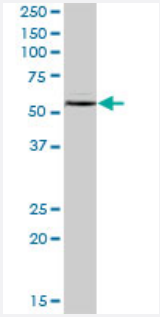
MaxPab®

IMPDH1 purified MaxPab mouse polyclonal antibody (B01P)

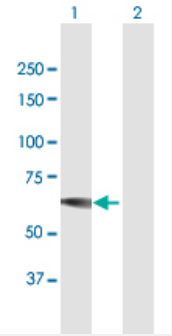
Catalog # H00003614-B01P Size 50 ug

Applications



Western Blot (Tissue lysate)

IMPDH1 MaxPab polyclonal antibody. Western Blot analysis of IMPDH1 expression in human spleen.



Western Blot (Transfected lysate)

Western Blot analysis of IMPDH1 expression in transfected 293T cell line (H00003614-T01) by IMPDH1 MaxPab polyclonal antibody.

Lane1:IMPDH1 transfected lysate(61.93 KDa).
Lane2:Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human IMPDH1 protein.
Immunogen	IMPDH1 (NP_899066.1, 1 a.a. ~ 563 a.a) full-length human protein.

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Sequence	MEGPLTPPPLQGGGAAAVPEPGARQHPGHETAAQRYSARLLQAGYEPESMADYLISGGTGYVPE DGLTAQQLFASADGLTYNDFLILPGFIDFIADEVDLTSALTRKITLKTPLISSPMDTVTEADMAIAMAL MGGIGFIHHNCTPEFQANEVRKVKKFEQGFITDPVVLSPSHTVGDVLEAKMRHGFSGIPITETGTM GSKLVGIVTSRDIDFLAEKDHTTLLSEVMTPRIELVVAPAGVTLKEANEILQRSKKGKLPIVNDCDEL VAIIARTDLKKNRDYPLASKDSQKQLLCGAAVGTREDDKYRLDLLTQAGVDVIVLDSSQGNSVYQI AMVHYIKQKYPHLQVIGGNVVTAAQAKNLIDAGVDGLRVGMGCGSICITQEVMACGRPQGTAVYK VAEYARRFGVPIIADGGIQTVGHVVKALALGASTVMMGSLLAATTEAPGEYFFSDGVRLKKYRGM GSLDAMEKSSSSQKRYFSEGDKVKIAQGVSGSIQDKGSIQKFVPYLIAGIQHGCQDIGARSLSVLR SMMYSGELKFEKRTMSAQIEGGVHGLHSYEKRLY
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

  IMPDH1 MaxPab polyclonal antibody. Western Blot analysis of IMPDH1 expression in human spleen.

  Protocol Download

- Western Blot (Transfected lysate)

  Western Blot analysis of IMPDH1 expression in transfected 293T cell line (H00003614-T01) by IMPDH1 MaxPab polyclonal antibody.

  Lane1:IMPDH1 transfected lysate(61.93 KDa).
  Lane2:Non-transfected lysate.

  Protocol Download

Gene Info — IMPDH1

Entrez GeneID	3614
GeneBank Accession#	NM_183243.1
Protein Accession#	NP_899066.1
Gene Name	IMPDH1

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Gene Alias	DKFZp781N0678, IMPD, IMPD1, LCA11, RP10, sWSS2608
Gene Description	IMP (inosine monophosphate) dehydrogenase 1
Omim ID	146690 180105
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene acts as a homotetramer to regulate cell growth. The encoded protein 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). Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	inosine monophosphate dehydrogenase 1

Pathway

- Biosynthesis of alkaloids derived from histidine and purine
- Drug metabolism - other enzymes
- Metabolic pathways
- Purine metabolism

Disease

- Acute Disease
- Gastroenteritis
- Genetic Predisposition to Disease
- Inflammatory Bowel Diseases
- Kidney Failure
- Refractive Errors
- Retinal Diseases
- Retinitis Pigmentosa

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