IMPDH2 rabbit monoclonal antibody

Catalog # H00003615-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human IMPDH2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human IMPDH2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human IMPDH2 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — IMPDH2

Entrez GeneID	3615
GeneBank Accession#	IMPDH2
Gene Name	IMPDH2
Gene Alias	IMPD2, IMPDH-II
Gene Description	IMP (inosine monophosphate) dehydrogenase 2
Omim ID	146691
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the rate-limiting enzyme in the de novo guanine nucleotide biosynthesis. It is th us 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'-monop hosphate into xanthine-5'-monophosphate, which is then converted into guanosine-5'-monophosp hate. This gene is up-regulated in some neoplasms, suggesting it may play a role in malignant tra nsformation. [provided by RefSeq
Other Designations	IMP dehydrogenase 2|IMP oxireductase 2|inosine 5' phosphate dehydrogenase 2|inosine monop hosphate dehydrogenase 2|inosine monophosphate dehydrogenase type II|inosine monophospha te oxireductase 2

Pathway

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

Disease

- Arthritis
- Disease Progression

- Gastroenteritis
- Genetic Predisposition to Disease
- Inflammatory Bowel Diseases
- Kidney Failure
- Schizophrenia