

DNAxPAb

Hard-to-Find
Antibody

IMPDH2 DNAxPab

Catalog # H00003615-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human IMPDH2 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MADYLISGGTSYVPDDGLTAQQLFNCGDGLTYNDFLILPGYDFTADQVDLTSALTKKITLKTPLVSS PMDTVTEAGMAIAMALTGGIGFIHHNCTPEFQANEVRKVKKYEQGFITDPVVLSPKDRVRDVFEAK ARHGFCGIPITDTGRMGSRVLGIISSRIDFLKEEEHDCFLEEIMTKREDLVVAPAGITLKEANEILQR SKKGKLPVNEDELVAIARTDLKKNRDYPLASKDAKKQLLCGAAIGTHEDDKYRLDLLAQAGVD VVVLDSSQGNSIFQINMIKYIKDKYPNLQVIGGNVVTAQAQKNLIDAGVDALRVGMGSGSICITQEV ACGRPQATAVYKVSEYARRFGVPVIADGGIQNVGHIKALALGASTVMMGSLLAATTEAPGEYFF SDGIRLKKYRGMGSLDAMDKHLSSQNRYFSEADKIKVAQGVSGAVQDKGSIHKFVPYLIAGIQHSC QDIGAKSLTQVRAMMYSGELKFEKRTSSAQVEGGVHSLHSYEKRLF
Host	Rabbit
Reactivity	Human
Purification	Protein A
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 (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — IMPDH2

Entrez GeneID [3615](#)

GeneBank Accession# [NM_000884.2](#)

Protein Accession# [NP_000875.2](#)

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 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]

Other Designations IMP dehydrogenase 2|IMP oxireductase 2|inosine 5' phosphate dehydrogenase 2|inosine monophosphate dehydrogenase 2|inosine monophosphate dehydrogenase type II|inosine monophosphate 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](#)