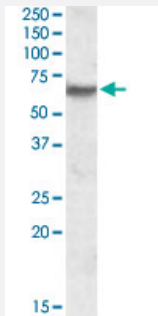


# IMPDH2 polyclonal antibody

Catalog # PAB19702      Size 100 ug

## Applications



### Western Blot (Tissue lysate)

IMPDH2 polyclonal antibody (Cat # PAB19702) (1 ug/mL) staining of human skeletal muscle lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Specification

<b>Product Description</b>	Goat polyclonal antibody raised against synthetic peptide of IMPDH2.
<b>Immunogen</b>	A synthetic peptide corresponding to internal region of human IMPDH2.
<b>Sequence</b>	KEEEHDCFLEEI
<b>Host</b>	Goat
<b>Theoretical MW (kDa)</b>	55.8
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Antigen affinity purification
<b>Recommend Usage</b>	ELISA (1:8000) Western Blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)

**Storage Instruction**

Store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — IMPDH2

**Entrez GeneID**[3615](#)**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](#)