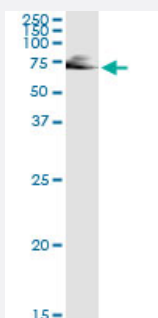


# IMPDH2 (Human) IP-WB Antibody Pair

Catalog # H00003615-PW1

Size 1 Set

## Applications



Immunoprecipitation of IMPDH2 transfected lysate using mouse monoclonal anti-IMPDH2 and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with rabbit polyclonal anti-IMPDH2.

## Specification

<b>Product Description</b>	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
<b>Reactivity</b>	Human
<b>Quality Control Testing</b>	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of IMPDH2 transfected lysate using mouse monoclonal anti-IMPDH2 and Protein A Magnetic Bead ( <a href="#">U0007</a> ), and immunoblotted with rabbit polyclonal anti-IMPDH2.
<b>Supplied Product</b>	Antibody pair set content: 1. Antibody pair for IP: mouse monoclonal anti-IMPDH2 (300 ug) 2. Antibody pair for WB: rabbit polyclonal anti-IMPDH2 (50 ul)
<b>Storage Instruction</b>	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

## Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

## Gene Info — IMPDH2

Entrez GeneID [3615](#)

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](#)