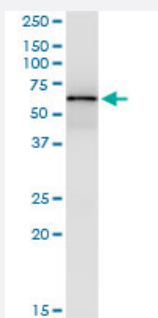


# IMPDH1 (Human) IP-WB Antibody Pair

Catalog # H00003614-PW2

Size 1 Set

## Applications



Immunoprecipitation of IMPDH1 transfected lysate using rabbit polyclonal anti-IMPDH1 and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse purified polyclonal anti-IMPDH1.

## 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 IMPDH1 transfected lysate using rabbit polyclonal anti-IMPDH1 and Protein A Magnetic Bead ( <a href="#">U0007</a> ), and immunoblotted with mouse purified polyclonal anti-IMPDH1.
<b>Supplied Product</b>	Antibody pair set content: 1. Antibody pair for IP: rabbit polyclonal anti-IMPDH1 (300 ul) 2. Antibody pair for WB: mouse purified polyclonal anti-IMPDH1 (50 ug)
<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 — IMPDH1

Entrez GeneID	<a href="#">3614</a>
Gene Name	IMPDH1
Gene Alias	DKFZp781N0678, IMPD, IMPD1, LCA11, RP10, sWSS2608
Gene Description	IMP (inosine monophosphate) dehydrogenase 1
Omim ID	<a href="#">146690</a> <a href="#">180105</a>
Gene Ontology	<a href="#">Hyperlink</a>
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](#)