

## IMPDH2

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

**Calculated MW:**55kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human IMPDH2

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

IMPD2; IMPDH-II;

**Background:**

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.

*To place an order, please [Click HERE](#).*

**Catalog #:**A5350

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**3615

**Isotype:**IgG

**Swiss Prot:**P12268

**Purity:**Affinity purification

For research use only.