

## **Product datasheet for TA335913**

# **IMPDH1** Rabbit Polyclonal Antibody

#### **Product data:**

**Product Type: Primary Antibodies** 

**Applications:** 

Recommended Dilution: WB

Reactivity: Human

Rabbit Host:

Isotype: lgG

Clonality: Polyclonal

Immunogen: The immunogen for Anti-IMPDH1 Antibody is: synthetic peptide directed towards the C-

terminal region of IMPDH1. Synthetic peptide located within the following region:

DGVRLKKYRGMGSLDAMEKSSSSQKRYFSEGDKVKIAQGVSGSIQDKGSI

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

**Purification: Affinity Purified** 

Conjugation: Unconjugated

Store at -20°C as received. Storage:

Stability: Stable for 12 months from date of receipt.

**Predicted Protein Size:** 63 kDa

Gene Name: IMP (inosine 5'-monophosphate) dehydrogenase 1

Database Link: NP 001096075

Entrez Gene 3614 Human

P20839

Background: 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.

IMPD; IMPD1; LCA11; RP10; sWSS2608 Synonyms:



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**Note:** Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human:

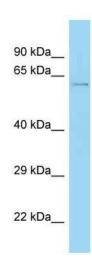
100%; Mouse: 100%; Yeast: 100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 100%; Guinea pig:

100%

**Protein Families:** Druggable Genome

**Protein Pathways:** Drug metabolism - other enzymes, Metabolic pathways, Purine metabolism

### **Product images:**



WB Suggested Anti-IMPDH1 Antibody; Titration: 1.0 ug/ml; Positive Control: Hela Whole Cell. IMPDH1 is supported by BioGPS gene expression

data to be expressed in HeLa