Product Name: IMPDH2 (12M4) Rabbit Monoclonal Antibody
Catalog #: AMRe12594

Summary

Production Name	IMPDH2 (12M4) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	IMPDH2
Alternative Names	IMPD2; IMPDH 2; IMPDH II; Impdh2;
Gene ID	3615.0
SwissProt ID	P12268.A synthetic peptide of human IMPDH2

Application

Dilution Ratio	WB: 1:1000
Molecular Weight	56kDa

Background
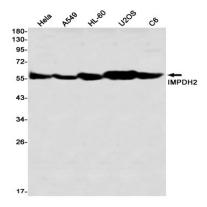
Rate limiting enzyme in the de novo synthesis of guanine nucleotides and therefore is involved in the regulation of cell growth. It may also have a role in the development of malignancy and the growth progression of some tumors. Catalyzes the conversion of inosine 5'-phosphate (IMP) to xanthosine 5'-phosphate (XMP), the first committed and rate-limiting step in the de novo synthesis of guanine nucleotides, and therefore plays an important role in the regulation of cell growth (PubMed:7903306, PubMed:7763314). Could also have a single-stranded nucleic acid-binding activity and could play a role in RNA and/or DNA metabolism (PubMed:14766016). It may also have a role in the development of malignancy and the growth progression of some tumors.

Research Area

Image Data

Western blot detection of IMPDH2 in Hela,A549,HL-60,U2OS,C6 using IMPDH2 antibody(1:1000 diluted)

Note
For research use only.