Recombinant IMPDH2 Monoclonal Antibody

catalog number: AN301565L

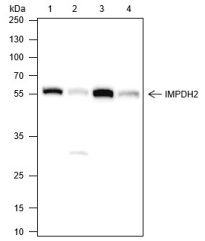
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse
Immunogen	Recombinant human IMPDH2 fragment
Host	Rabbit
Isotype	IgG, κ
Clone	A264
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:500-1:1000
IF	1:50
IP	1:25-1:50

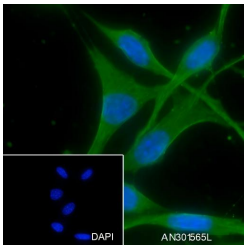
Data



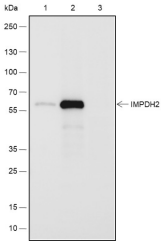
Western Blot with IMPDH2 Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: MCF-7, Lane 3: 4T1, Lane 4: HepG2

Observed-MW:56 kDa

Calculated-MW:56 kDa



Immunofluorescent analysis of (100% Ice-cold methanol) fixed NIH/3T3 cells using anti-IMPDH2 Monoclonal Antibody at dilution of 1:50.



Immunoprecipitation analysis using anti-IMPDH2 Monoclonal Antibody. Western blot was performed from the immunoprecipitate using IMPDH2 Monoclonal Antibody at a dilution of 1:50. Lane 1: 10% Input, Lane 2: IMPDH2 Monoclonal Antibody, Lane 3: Rabbit monoclonal IgG Isotype

Observed-MW:56 kDa

Calculated-MW:56 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

For Research Use Only

Background

Inosine-5'-monophosphate dehydrogenase 2, also known as IMP dehydrogenase 2, is an enzyme that in humans is encoded by the IMPDH2 gene.IMP dehydrogenase 2 is 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. IMPDH2 catalyzes the NAD-dependent oxidation of inosine-5'-monophosphate into xanthine-5'-monophosphate, which is then converted into guanosine-5'-monophosphate. IMPDH2 has been identified as an intracellular target of the natural product sanglifehrin A.

Toll-free: 1-888-852-8623
Web: www.elabscience.com
Tel: 1-832-243-6086
Email: techsupport@elabscience.com
Fax: 1-832-243-6017