

Inosine-5'-monophosphate dehydrogenase 2 Polyclonal Antibody

Catalog No: #42226

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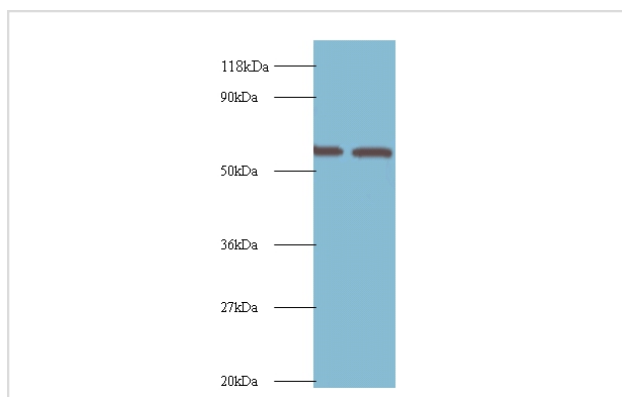
Description

Product Name	Inosine-5'-monophosphate dehydrogenase 2 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Inosine-5'-monophosphate dehydrogenase 2 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Inosine-5'-monophosphate dehydrogenase 2 protein
Target Name	Inosine-5'-monophosphate dehydrogenase 2
Other Names	IMPDH2, IMPD2, IMP dehydrogenase 2, IMPD 2, IMPDH 2, IMPDH-II
Accession No.	Swiss-Prot#: P12268
Uniprot	P12268
GeneID	3615;
Calculated MW	56.5kd
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

Western blotting: □1:500 - 1:1000

Images



All lanes : Peptidyl-prolyl cis-trans isomerase FKBP1A antibody at 2ug/ml
 Lane 1 : EC109 whole cell lysate
 Lane 2 : 293T whole cell lysate
 Secondary Goat polyclonal to Rabbit IgG at 1/15000 dilution
 Predicted band size : 56.5 kDa
 Observed band size: 56.5 kDa

Background

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. Could also have a single-stranded nucleic acid-binding activity and could play a role in RNA and/or DNA metabolism. It may also have a role in the development of malignancy and the growth progression of some tumors.

References

[1]Cloning and sequence analysis of the human and Chinese hamster inosine-5'-monophosphate dehydrogenase cDNAs.Collart F.R., Huberman E.J. Biol. Chem. 263:15769-15772(1988) [2]Two distinct cDNAs for human IMP dehydrogenase.Natsumeda Y., Ohno S., Kawasak

Note: This product is for in vitro research use only