

Product Name: ITPA (8W11) Rabbit Monoclonal Antibody
Catalog #: AMRe12797

Summary

Production Name	ITPA (8W11) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human

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	ITPA {ECO:0000255 HAMAP-Rule:MF_03148}
Alternative Names	Inosine triphosphatase; Itpa; ITPase; My049; NTPase;
Gene ID	3704.0
SwissProt ID	Q9BY32.A synthetic peptide of human Inosine triphosphate pyrophosphatase

Application

Dilution Ratio	WB: 1:1000-1:5000
Molecular Weight	22kDa

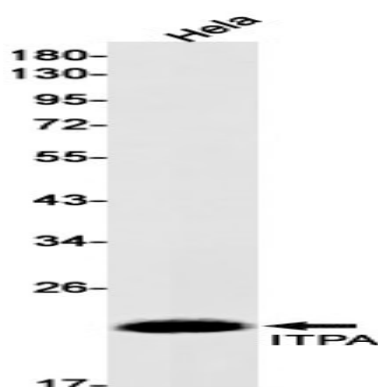
Background

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Hydrolyzes ITP and dITP to their respective monophosphate derivatives. Pyrophosphatase that hydrolyzes the non-canonical purine nucleotides inosine triphosphate (ITP), deoxyinosine triphosphate (dITP) as well as 2'-deoxy-N-6-hydroxylaminopurine triphosphate (dHAPTP) and xanthosine 5'-triphosphate (XTP) to their respective monophosphate derivatives. The enzyme does not distinguish between the deoxy- and ribose forms. Probably excludes non-canonical purines from RNA and DNA precursor pools, thus preventing their incorporation into RNA and DNA and avoiding chromosomal lesions.

Research Area

Image Data



Western blot detection of ITPA in HeLa cell lysates using ITPA antibody(1:1000 diluted).

Note

For research use only.