Product Name: KD-Validated Inosine Triphosphatase Recombinant Rabbit Monoclonal Antibody

Catalog #: KVAb01940

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000
Molecular Weight	Calculated MW: 21.4kDa

Antigen Information

Gene Name	ITPA
Alternative Names	ITPA; Inosine Triphosphatase; Nucleoside-Triphosphate Diphosphatase; HLC14-06-P; DJ794I6.3; Inosine Triphosphatase (Nucleoside Triphosphate Pyrophosphatase); Non-Canonical Purine NTP Pyrophosphatase; Non-Standard Purine NTP Pyrophosphatase; Inosine Triphosphate Pyrophosphatase; C20orf37; ITPase; NTPase; Epididymis Secretory Sperm Binding Protein; Inosine Triphosphate Pyrophosphohydrolase; Nucleoside-Triphosphate Pyrophosphatase; Putative Oncogene Protein HLC14-06-P; Putative Oncogene Protein Hlc14-06-P; EC 3.6.1.19; EC 3.6.1.9; C20ORF37; EC 3.6.1; DEE35; My049
Gene ID	3704.0
SwissProt ID	Q9BY32

Immunogen A synthesized peptide derived from human ITPA

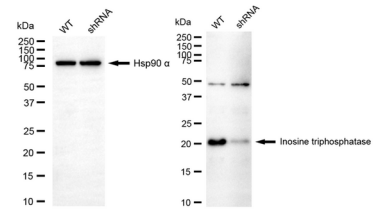
Background

This gene encodes an inosine triphosphate pyrophosphohydrolase. The encoded protein hydrolyzes inosine triphosphate and deoxyinosine triphosphate to the monophosphate nucleotide and diphosphate. This protein, which is a member of the HAM1 NTPase protein family, is found in the cytoplasm and acts as a homodimer. Defects in the encoded protein can result in inosine triphosphate pyrophosphorylase deficiency which causes an accumulation of ITP in red blood cells. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012]

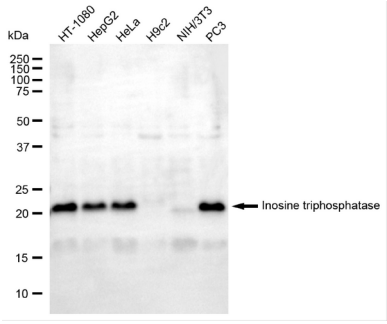
Research Area

Metabolism,Signal Transduction

Image Data



Western blotting analysis using inosine triphosphatase antibody (KVAb01940). Inosine triphosphatase expression in wild-type (WT) and inosine triphosphatase (ITPA) shRNA knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with inosine triphosphatase antibody (KVAb01940, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using inosine triphosphatase antibody (KVAb01940). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with inosine triphosphatase antibody (KVAb01940, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody (APS0635, 1:10,000) respectively.