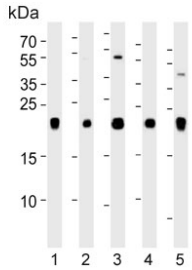
Inosine triphosphate pyrophosphatase Antibody / ITPA / ITPase (F54812)

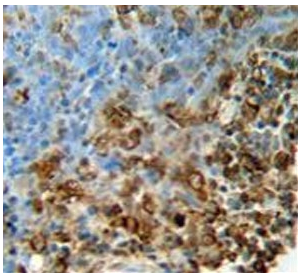
Catalog No.	Formulation	Size
F54812-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54812-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

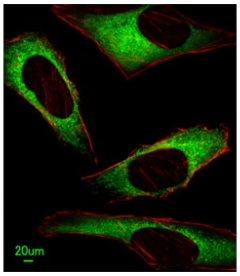
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q9BY32
Localization	Cytoplasmic
Applications	Western Blot : 1:500-1:1000 Immunofluorescence : 1:25 Flow Cytometry : 1:25 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:50-1:100
Limitations	This Inosine triphosphate pyrophosphatase antibody is available for research use only.



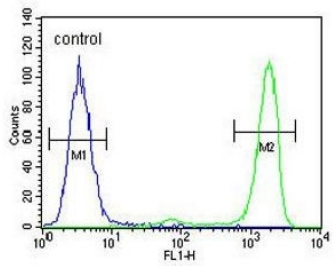
Western blot testing of human 1) A375, 2) HeLa, 3) HepG2, 4) mouse brain and 5) rat liver lysate with Inosine triphosphate pyrophosphatase antibody. Predicted molecular weight ~21 kDa.



IHC testing of FFPE human lung carcinoma tissue with Inosine triphosphate pyrophosphatase antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of human HeLa cells with Inosine triphosphate pyrophosphatase antibody (green) and anti-Actin (red).



Flow cytometry testing of human A375 cells with Inosine triphosphate pyrophosphatase antibody; Blue=isotype control, Green= Inosine triphosphate pyrophosphatase antibody.

Description

ITPA hydrolyzes inosine triphosphate and deoxyinosine triphosphate to the monophosphate nucleotide and diphosphate. The encoded 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. Two transcript variants encoding two different isoforms have been found for this gene.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Inosine triphosphate pyrophosphatase antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 24-51 from the human protein was used as the immunogen for the Inosine triphosphate pyrophosphatase antibody.

Storage

Aliquot the Inosine triphosphate pyrophosphatase antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.