ITPA Antibody
Rabbit mAb
Catalog # AP92771

Specification

ITPA Antibody - Product Information

Application   **WB, IHC**
Primary Accession   Q9BY32
Clonality   **Monoclonal**
Other Names
Inosine triphosphatase; Itpa; ITPase; My049; NTPase;

Isotype   **Rabbit IgG**
Host   **Rabbit**
Calculated MW   **21446 Da**

ITPA Antibody - Additional Information

Dilution   **WB~~1:1000**
                                     IHC~~1:100~500
Purification   **Affinity-chromatography**
Immunogen   **A synthesized peptide derived from human ITPA**
Description   **Hydrolyzes ITP and dITP to their respective monophosphate derivatives.**
Storage Condition and Buffer   **Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

ITPA Antibody - Protein Information

Name ITPA {ECO:0000255|HAMAP-Rule:MF_03148}

Synonyms C20orf37

Function
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.

Cellular Location
Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03148, ECO:0000269|PubMed:11278832}

Tissue Location

Ubiquitous. Highly expressed in heart, liver, sex glands, thyroid and adrenal gland

ITPA Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytomety](#)
- [Cell Culture](#)

ITPA Antibody - Images
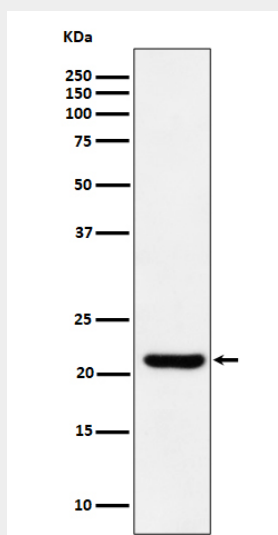
Western blot analysis of ITPA expression in HepG2 cell lysate.