

# ITPA Antibody

Rabbit mAb Catalog # AP92771

#### **Product Information**

Application WB, IHC
Primary Accession Q9BY32
Reactivity Human
Clonality Monoclonal

Other Names Inosine triphosphatase; Itpa; ITPase; My049; NTPase;

IsotypeRabbit IgGHostRabbitCalculated MW21446

### **Additional Information**

**Dilution** WB 1:500~1:2000 IHC 1:50~1:200

**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.

#### **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.

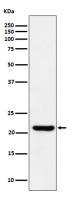
Cytoplasm {ECO:0000255 | HAMAP-Rule:MF\_03148,

ECO:0000269 | PubMed:11278832}

**Tissue Location** Ubiquitous. Highly expressed in heart, liver, sex glands, thyroid and adrenal

gland

## **Images**



Western blot analysis of ITPA expression in HepG2 cell lysate.

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