



## Rabbit Anti-Inosine triphosphate pyrophosphatase antibody

SL13590R

<b>Product Name:</b>	Inosine triphosphate pyrophosphatase
<b>Chinese Name:</b>	三磷酸肌苷焦磷酸酶抗体
<b>Alias:</b>	ITPase; C20orf37; dJ794I6.3; HLC14-06-P; Inosine triphosphatase (nucleoside triphosphate pyrophosphatase); Inosine triphosphatase; inosine triphosphatase-A; Inosine triphosphate pyrophosphatase; Inosine triphosphate pyrophosphohydrolase; Itpa; ITPA_HUMAN; ITPase; My049; My049 protein; Non canonical purine NTP pyrophosphatase; Non standard purine NTP pyrophosphatase; NTPase; nucleoside triphosphate diphosphatase; Nucleoside triphosphate pyrophosphatase; OK/SW-cl.9; OTTHUMP00000030094; OTTHUMP00000160459; Putative oncogene protein hlc14-06-p.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	21kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human ITPase/Inosine triphosphate pyrophosphatase:1-100/194
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year

	when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>ITPase (inosine triphosphate pyrophosphatase) is also known as putative oncogene protein hlc14-06-p or ITPA (inosine triphosphatase (nucleoside triphosphate pyrophosphatase)) and is a 194 amino acid protein. ITPase is abundantly expressed in heart, liver, sex glands, thyroid and adrenal gland, and is localized to the cytoplasm in the cell. ITPase catalyzes the pyrophosphohydrolysis of both ITP (inosine triphosphate) and dITP (deoxyinosine triphosphate) to IMP (inosine monophosphate) and diphosphate. IMP can be used as a substrate for purine nucleotide pathways. IMP can be phosphorylated to ITP, and ITPase can regulate the concentration of ITP in the cell by converting ITP back to IMP. Defects in ITPase result in ITPase deficiency which is thought to be inherited and is characterized by an over-accumulation of ITP in erythrocytes, leukocytes and fibroblasts.</p> <p><b>Function:</b> Hydrolyzes ITP and dITP to their respective monophosphate derivatives. Xanthosine 5'-triphosphate (XTP) is also a potential substrate. May be the major enzyme responsible for regulating ITP concentration in cells.</p> <p><b>Subcellular Location:</b> Cytoplasm.</p> <p><b>Tissue Specificity:</b> Ubiquitous. Highly expressed in heart, liver, sex glands, thyroid and adrenal gland.</p> <p><b>Similarity:</b> Belongs to the HAM1 NTPase family.</p> <p><b>SWISS:</b> Q9BY32</p> <p><b>Gene ID:</b> 3704</p> <p><b>Database links:</b></p> <p><a href="#">Entrez Gene: 3704</a> Human</p> <p><a href="#">Entrez Gene: 16434</a> Mouse</p> <p><a href="#">Entrez Gene: 311422</a> Rat</p> <p><a href="#">Omim: 147520</a> Human</p> <p><a href="#">SwissProt: Q9BY32</a> Human</p>

[SwissProt: Q9D892](#) Mouse

[SwissProt: D3ZW55](#) Rat

[Unigene: 415299](#) Human

[Unigene: 21399](#) Mouse

[Unigene: 203856](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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