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Datasheet for ABIN1713849

## anti-ITPA antibody (AA 1-100)



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|     |        |      |    |     |

| Quantity:            | 100 μL  |
|----------------------|---|
| Target:              | ITPA  |
| Binding Specificity: | AA 1-100  |
| Reactivity:          | Human   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This ITPA antibody is un-conjugated   |
| Application:         | Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

### Product Details

| Immunogen:            | KLH conjugated synthetic peptide derived from human Inosine triphosphate pyrophosphatase |
|-----------------------|--|
| Isotype:              | IgG  |
| Predicted Reactivity: | Human,Mouse,Rat,Dog,Cow,Sheep,Pig  |
| Purification:         | Purified by Protein A.   |
|                       |  |

## **Target Details**

| Target:           | ITPA   |
|-------------------|--|
| Alternative Name: | Inosine triphosphate pyrophosphatase (ITPA Products) |

#### **Target Details**

Background:

Synonyms: ITPase, C20orf37, dJ794I6.3, HLC14-06-P, Inosine triphosphatase nucleoside triphosphate pyrophosphatase, Inosine triphosphatase, inosine triphosphatase-A, Inosine triphosphate pyrophosphatase, 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.

Background: 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 overaccumulation of ITP in erythocytes, leukocytes and fibroblasts.

Gene ID:

3704

#### **Application Details**

Application Notes: WB 1:300-5000

ELISA 1:500-1000

IHC-P 1:200-400

IHC-F 1:100-500

IF(IHC-P) 1:50-200

IF(IHC-F) 1:50-200

IF(ICC) 1:50-200

ICC 1:100-500

Restrictions:

For Research Use only

#### Handling

Format: Liquid

Concentration:  $1 \mu g/\mu L$ 

## Handling

| Buffer:            | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.  |  |
|--------------------|--|--|
| Preservative:      | ProClin  |  |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |  |
| Storage:           | 4 °C,-20 °C  |  |
| Storage Comment:   | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.                                    |  |
| Expiry Date:       | 12 months  |  |