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Datasheet for ABIN1698534

anti-ITPA antibody (AA 1-100) (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	ITPA
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITPA antibody is conjugated to Alexa Fluor 647
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

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)
Background:	Synonyms: ITPase, C20orf37, dJ794I6.3, HLC14-06-P, Inosine triphosphatase nucleoside

Target Details

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.

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 over-accumulation of ITP in erythrocytes, leukocytes and fibroblasts.

Gene ID: 3704

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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.

Handling

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months