

Rabbit ITPA Polyclonal Antibody | anti-ITPA antibody

ITPA Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326129	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

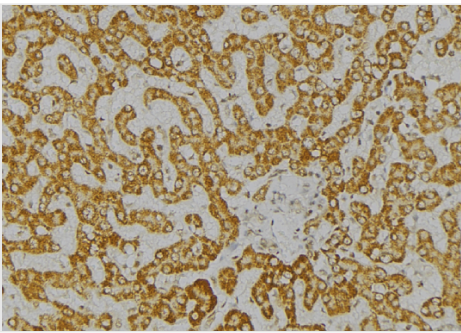
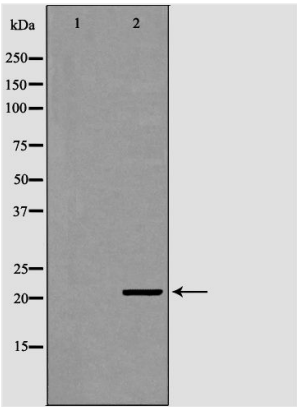
PRODUCT SYNONYMS

ITPA; Polyclonal Antibody; ITPA Antibody; 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; anti-ITPA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ITPA antibody detects endogenous levels of total ITPA
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	153
Applicable Applications for anti-ITPA antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ITPA
Subcellular Location	Cytoplasm.
Tissue Specificity	Ubiquitous. Highly expressed in heart, liver, sex glands, thyroid and adrenal gland.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (82%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (91%), Xenopus (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326129 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of Hepg2 whole cell lysates, using ITPA Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ITPA antibody

Description: ITPA(Inosine triphosphate pyrophosphatase) catalyzes the pyrophosphohydrolysis of inosine triphosphate (ITP) to inosine monophosphate (IMP).It expresses in the cytoplasm(PMID:11278832).It can be detected a band of 44 Kda as a homodimer in the western blot(PMID:19631656) though its predictedsize is 21kd.This protein has two isforms with the molecular weight of 20KDa and 21KDa.This antibody is specific to this protein.

Function: Pyrophosphatase that hydrolyzes the non-canonical purine nucleotides inosine triphosphate (ITP), deoxyinosine triphosphate (dITP) as well as 2'-deoxy-N-6-hydroxylaminopurine triposphate (dHATP) 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.

Subunit Structure: Homodimer.

Similarity: Belongs to the HAM1 NTPase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	390517020
NCBI GeneID	3704
NCBI Accession #	NP_001254552.1
NCBI GenBank Nucleotide #	NM_001267623.1
UniProt Accession #	Q9BY32; O14878; Q5JWH4; Q9BYN1; Q9BYX0; Q9H3H8; A2A2N2; A4UIM5; B2BCH7
Molecular Weight	Observed: 21 kDa Predicted: 22 kDa
NCBI Official Full Name	inosine triphosphate pyrophosphatase isoform c
NCBI Official Synonym Full Names	inosine triphosphatase
NCBI Official Symbol	ITPA
NCBI Official Synonym Symbols	My049; ITPase; NTPase; C20orf37; dJ794I6.3; HLC14-06-P
NCBI Protein Information	inosine triphosphate pyrophosphatase
UniProt Protein Name	Inosine triphosphate pyrophosphatase
UniProt Gene Name	ITPA
UniProt Synonym Gene Names	C20orf37; ITPase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/itpa-antibody-immunohistochemistry-western-blot-elisa/326129>