

ITPA rabbit monoclonal antibody

Catalog # H00003704-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ITPA peptide using ARM Technology.
Immunogen	A synthetic peptide of human ITPA is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human ITPA peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — ITPA

Entrez GeneID [3704](#)

GeneBank Accession# [ITPA](#)

Gene Name ITPA

Gene Alias C20orf37, HLC14-06-P, ITPase, dJ794I6.3

Gene Description inosine triphosphatase (nucleoside triphosphate pyrophosphatase)

Omim ID [147520](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene hydrolyzes inosine triphosphate and deoxyinosine triphosphate to the monophosphate nucleotide and diphosphate. The encoded protein, which is a member of the HAM1 NTPase protein family, is found in the cytoplasm and acts as a homodimer. Defects in the encoded protein can result in inosine triphosphate pyrophosphorylase deficiency. Two transcript variants encoding two different isoforms have been found for this gene. Also, at least two other transcript variants have been identified which are probably regulatory rather than protein-coding. [provided by RefSeq]

Other Designations My049 protein|OTTHUMP00000030094|inosine triphosphatase|inosine triphosphatase-A|inosine triphosphate pyrophosphatase|inosine triphosphate pyrophosphohydrolase|nucleoside triphosphate diphosphatase|putative oncogene protein HLC14-06-P

Pathway

- [Drug metabolism - other enzymes](#)
- [Metabolic pathways](#)
- [Purine metabolism](#)
- [Pyrimidine metabolism](#)

Disease

- [Anemia](#)

- [Arthritis](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Deficiency Diseases](#)
- [Disease Progression](#)
- [Gastrointestinal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis](#)
- [Hepatitis C](#)
- [Inflammatory Bowel Diseases](#)
- [Leukopenia](#)
- [Lupus Erythematosus](#)
- [Metabolism](#)
- [Neoplasms](#)
- [Neutropenia](#)
- [Pancreatitis](#)