

Rabbit Bis(5'-adenosyl)-triphosphatase Polyclonal Antibody | anti-FHIT antibody

Anti-FHIT Antibody

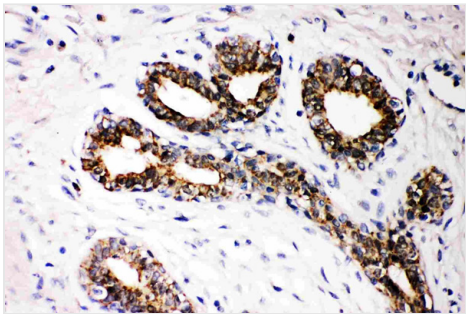
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46035	Rabbit	Human. No cross reactivity with other proteins.	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

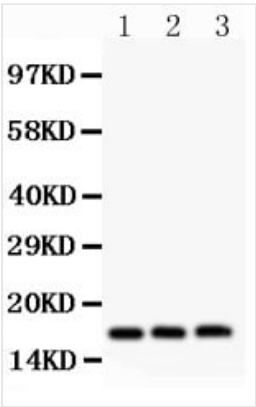
Bis(5'-adenosyl)-triphosphatase; Polyclonal Antibody; Anti-FHIT Antibody; AP3A hydrolase antibody; AP3A hydrolase fragile site 3p14.2 antibody; AP3Aase antibody; Bis 5' adenosyl triphosphatase antibody; Bis(5' adenosyl) triphosphatase antibody; Diadenosine 5' 5''' P1 P3 triphosphate hydrolase antibody; Dinucleosidetriphosphatase antibody; FRA 3B antibody; FRA3B antibody; Fragile histidine triad antibody; Fragile histidine triad gene antibody; Fragile histidine triad protein antibody; Tumor suppressor protein antibody; fragile histidine triad; anti-FHIT antibody

PRODUCT SPECIFICATIONS

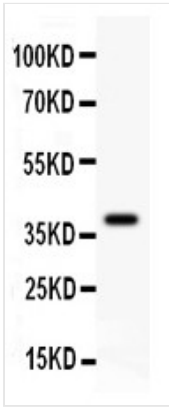
Host	Rabbit
Reactivity	Human. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	147
Applicable Applications for anti-FHIT antibody	IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E.coli-derived human FHIT recombinant protein (Position: M1-Q147). Human FHIT shares 90% and 87% amino acid (aa) sequences identity with mouse and rat FHIT, respectively.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemisry)
Anti- FHIT Picoband antibody, AAA46035, IHC(P)IHC(P): Human Mammary Cancer Tissue



WB (Western Blot)
Anti- FHIT Picoband antibody, AAA46035, Western blottingAll lanes: Anti FHIT (AAA46035) at 0.5ug/mlLane 1: HT1080 Whole Cell Lysate at 40ugLane 2: SW620 Whole Cell Lysate at 40ugLane 3: Jurkat Whole Cell Lysate at 40ugPredicted bind size: 17KDObserved bind size: 17KD



WB (Western Blot)
Anti- FHIT Picoband antibody, AAA46035, Western blottingAll lanes: Anti FHIT (AAA46035) at 0.5ug/mlWB: Recombinant Human FHIT Protein 0.5ngPredicted bind size: 39KDObserved bind size: 39KD

ADDITIONAL INFORMATION

Related Product Information for anti-FHIT antibody	Description: Rabbit IgG polyclonal antibody for Bis(5'-adenosyl)-triphosphatase(FHIT) detection. Tested with WB, IHC-P in Human. Background: Bis(5'-adenosyl)-triphosphatase, also known as fragile histidine triad protein (FHIT) is an enzyme that in humans is encoded by the FHIT gene. This gene, a member of the histidine triad gene family, encodes a diadenosine P1,P3-bis(5'-adenosyl)-triphosphate adenylohydrolase involved in purine metabolism. The gene encompasses the common fragile site FRA3B on chromosome 3p14.2, where carcinogen-induced damage can lead to translocations and aberrant transcripts of this gene. In fact, aberrant transcripts from this gene have been found in about half of all esophageal, stomach, and colon carcinomas. Furthermore, FHIT has been shown to synergize with VHL, another tumor suppressor, in protecting against chemically - induced lung cancer. It also acts as a tumor suppressor of HER2/neu driven breast cancer.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	261278358
NCBI GeneID	2272
NCBI Accession #	NP_001159715.1
NCBI GenBank Nucleotide #	NM_001166243.1

UniProt Accession #	P49789 ; Q45QG9 ; Q6IU12 ; A2IAS9 ; A2IAT0 ; A2IAT6 ; A8K1A9
Molecular Weight	16,858 Da
NCBI Official Full Name	bis(5'-adenosyl)-triphosphatase
NCBI Official Synonym Full Names	fragile histidine triad
NCBI Official Symbol	FHIT
NCBI Official Synonym Symbols	FRA3B; AP3Aase
NCBI Protein Information	bis(5'-adenosyl)-triphosphatase; bis(5'-adenosyl)-triphosphatase; AP3A hydrolase; tumor suppressor protein; dinucleosidetriphosphatase; diadenosine 5',5'''-P1,P3-triphosphate hydrolase
UniProt Protein Name	Bis(5'-adenosyl)-triphosphatase
UniProt Gene Name	FHIT
UniProt Synonym Gene Names	AP3Aase
UniProt Entry Name	FHIT_HUMAN

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/bis5-adenosyl-triphosphatase-antibody-immunohistochemistry-western-blot-elisa/46035>