

Rabbit anti-Human FHIT Polyclonal Antibody | anti-FHIT antibody

FHIT Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA304649	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot

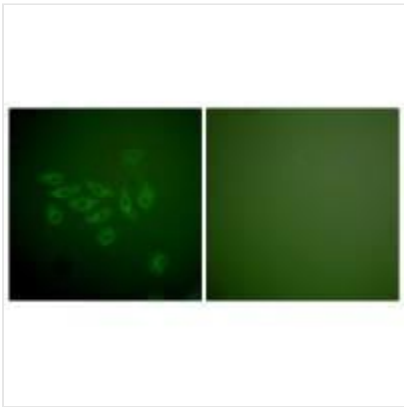
PRODUCT SYNONYMS

FHIT; Polyclonal Antibody; FHIT Antibody; AP3Aase; FRA3B; bis(5'-adenosyl)-triphosphatase; inucleosidetriphosphatase; AP3A HYDROLASE FRAGILE SITE 3p14.2; anti-FHIT antibody

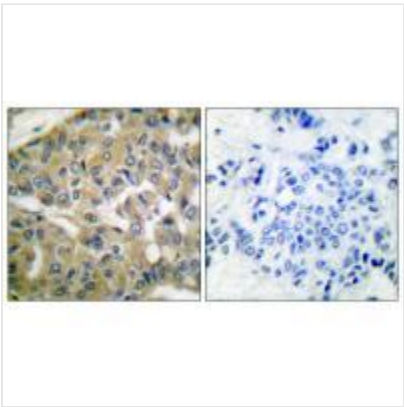
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total FHIT protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	147
Applicable Applications for anti-FHIT antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human FHIT.
Target Name	FHIT
Preparation and Storage	Store at -20 degree C

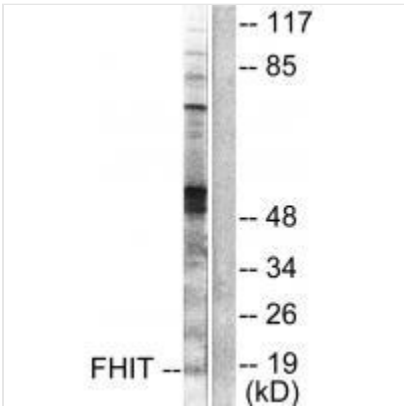
IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of A549 cells, using FHIT antibody.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using FHIT antibody.



WB (Western Blot)
Western blot analysis of extracts from A549 cells, using FHIT antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-FHIT antibody	Cleaves P(1)-P(3)-bis(5'-adenosyl) triphosphate (Ap3A) to yield AMP and ADP. Can also hydrolyze P(1)-P(4)-bis(5'-adenosyl) tetraphosphate (Ap4A), but has extremely low activity with ATP. Modulates transcriptional activation by CTNNB1 and thereby contributes to regulate the expression of genes essential for cell proliferation and survival, such as CCND1 and BIRC5. Plays a role in the induction of apoptosis via SRC and AKT1 signaling pathways. Inhibits MDM2-mediated proteasomal degradation of p53/TP53 and thereby plays a role in p53/TP53-mediated apoptosis. Induction of apoptosis depends on the ability of FHIT to bind P(1)-P(3)-bis(5'-adenosyl) triphosphate or related compounds, but does not require its catalytic activity, it may in part come from the mitochondrial form, which sensitizes the low-affinity Ca2+ transporters, enhancing mitochondrial calcium uptake. Functions as tumor suppressor.Hideshi Ishii, Cancer Res., Dec 2006; 66: 11287 - 11292.Francesca Bianchi, PNAS, Dec 2006; 103: 18981 - 18986.Koshi Mimori, Cancer Res., Mar 2006; 66: 2683 - 2690.Tamotsu Kuroki, Cancer Res., Jul 2003; 63: 3724 - 3728.
Product Categories/Family for anti-FHIT antibody	Total protein Ab

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
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/fhit-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/304649>