



Rabbit Anti-Phospho-FHIT (Tyr114) antibody

SL3146R

Product Name:	Phospho-FHIT (Tyr114)
Chinese Name:	磷酸化脆性组氨酸三联体抗体
Alias:	FHIT (phospho Y114); p-FHIT (phospho Y114); fragile histidine triad; AP3A hydrolase; AP3A hydrolase fragile site 3p14.2; AP3Aase; Bis 5' adenosyl triphosphatase; Dinucleosidetriphosphatase; FRA 3B; FRA3B; Fragile histidine triad gene; Fragile histidine triad protein; Tumor suppressor protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	16kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human FHIT around the phosphorylation site of Tyr114:SI(p-Y)EE
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	FHIT (fragile histidine triad) cleaves adenosine 5' PPP 5' A to yield AMP and ADP.

Alterations and deletions of the FHIT gene are strongly linked to the genesis and establishment of human tumors of the lung, cervix, breast, colon, stomach and pancreas. In normal cells, FHIT may act as a tumor suppressor. FHIT physically associates with ubiquitin conjugating enzyme 9.

Subunit:

Homodimer.

Subcellular Location:

Cytoplasm.

Tissue Specificity:

Low levels expressed in all tissues tested. Phospho-FHIT observed in liver and kidney, but not in brain and lung. Phospho-FHIT undetected in all tested human tumor cell lines.

Similarity:

Contains 1 HIT domain.

SWISS:

P49789

Gene ID:

2272

Database links:

[Entrez Gene: 2272](#) Human

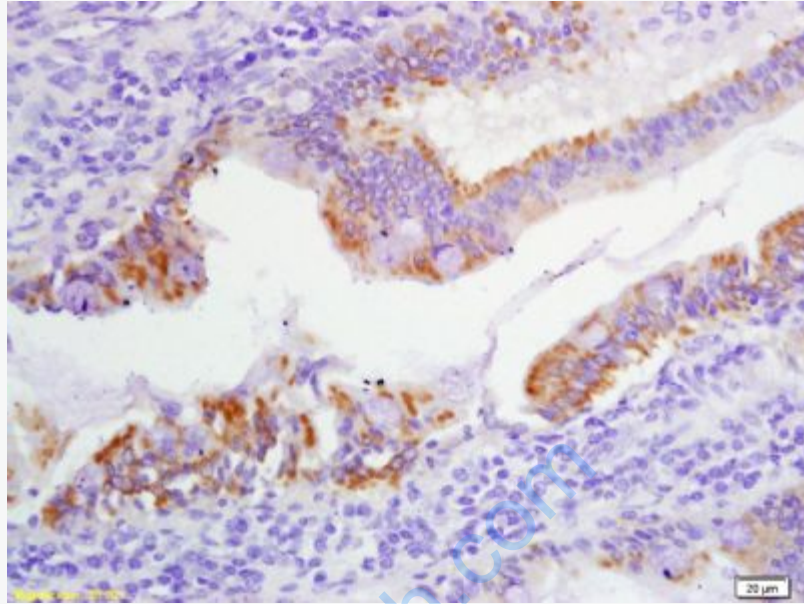
[Omim: 601153](#) Human

[SwissProt: P49789](#) Human

[Unigene: 655995](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Phospho-FHIT(Tyr114) Polyclonal Antibody,

Unconjugated(SL3146R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining