

For Research Use Only

FHIT Recombinant antibody

Catalog Number:83710-1-RR



Basic Information

Catalog Number: 83710-1-RR	GenBank Accession Number: BC032336	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 2272	CloneNo.: 240564D9
Source: Rabbit	UNIPROT ID: P49789	Recommended Dilutions: WB 1:500-1:1000 IHC 1:200-1:800
Isotype: IgG	Full Name: fragile histidine triad gene	
Immunogen Catalog Number: AG4181	Calculated MW: 147 aa, 17 kDa	
	Observed MW: 15-17 kDa	

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HCT 116 cells, HEK-293 cells, HL-60 cells

IHC : human colon cancer tissue,

Background Information

The candidate tumor suppressor gene, FHIT(Fragile histidine triad protein), encompasses the common human chromosomal fragile site at 3p14.2, the hereditary renal cancer translocation breakpoint, and cancer cell homozygous deletions. Fhit hydrolyzes dinucleotide 5',5"-P1,P3-triphosphate in vitro and mutation of a central histidine abolishes hydrolase activity(PMID:9391102). FHIT has a major role in regulating beta-catenin-mediated gene transcription.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

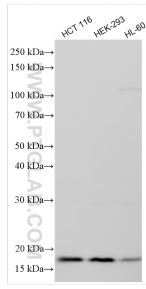
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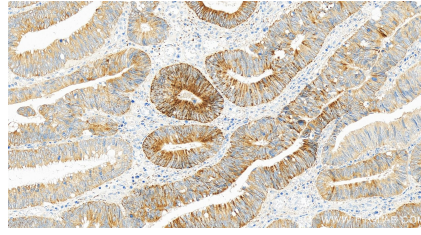
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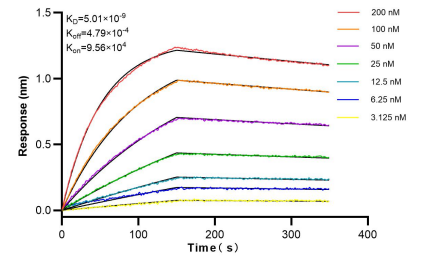
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83710-1-RR (FHIT antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 83710-1-RR (FHIT antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Bi-layer interferometry (BLI) kinetic assays of 83710-1-RR against Human FHIT were performed. The affinity constant is 5.01 nM.