

For Research Use Only

FHIT Recombinant antibody, PBS Only

Catalog Number:83710-1-PBS



Basic Information

Catalog Number: 83710-1-PBS	GenBank Accession Number: BC032336	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 2272	CloneNo.: 240564D9
Source: Rabbit	UNIPROT ID: P49789	
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

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'''-P₁P₃-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 -80°C.
Storage Buffer:
PBS Only

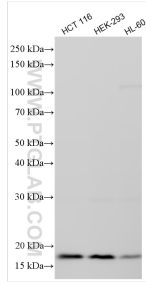
For technical support and original validation data for this product please contact:

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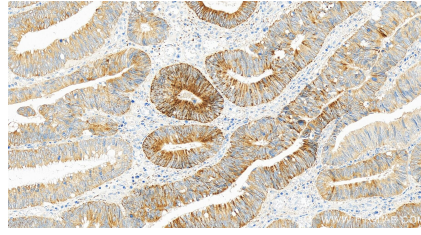
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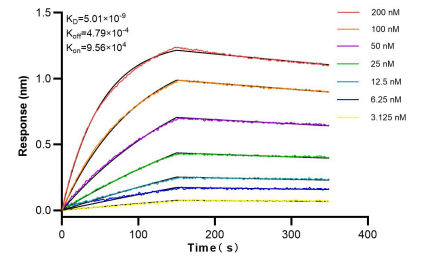
Selected Validation Data



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. This data was developed using the same antibody clone with 83710-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83710-1-PBS in a different storage buffer formulation.



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