

For Research Use Only

# FHIT Polyclonal antibody

Catalog Number: 13362-1-AP



## Basic Information

<b>Catalog Number:</b> 13362-1-AP	<b>GenBank Accession Number:</b> BC032336	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 500 µg/ml	<b>GeneID (NCBI):</b> 2272	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P49789	
<b>Isotype:</b> IgG	<b>Full Name:</b> fragile histidine triad gene	
<b>Immunogen Catalog Number:</b> AG4181	<b>Calculated MW:</b> 147 aa, 17 kDa	
	<b>Observed MW:</b> 17 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HCT 116 cells, HEK-293 cells, HL-60 cells
<b>Species Specificity:</b> 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'''-P<sub>1</sub>P<sub>3</sub>-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

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

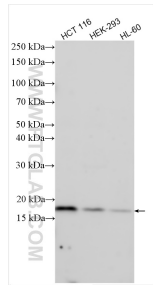
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13362-1-AP (Fhit antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.