

# FHIT Polyclonal antibody

Catalog Number: 13362-1-AP

## Basic Information

**Catalog Number:**

13362-1-AP

**Size:**

500 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG4181

**GenBank Accession Number:**

BC032336

**GeneID (NCBI):**

2272

**UNIPROT ID:**

P49789

**Full Name:**

fragile histidine triad gene

**Calculated MW:**

147 aa, 17 kDa

**Observed MW:**

15-17 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human

**Positive Controls:**

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

## 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:**

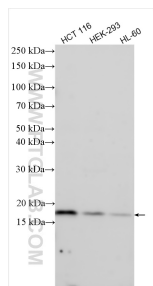
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

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

Aliquoting is unnecessary for -20°C storage

## 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.