

For Research Use Only

FHIT Monoclonal antibody

Catalog Number: 66086-1-Ig **2 Publications**



Basic Information

Catalog Number: 66086-1-Ig	GenBank Accession Number: BC032336	Purification Method: Protein G purification
Size: 673 µg/ml	GeneID (NCBI): 2272	CloneNo.: 4D6G1
Source: Mouse	UNIPROT ID: P49789	
Isotype: IgG1	Full Name: fragile histidine triad gene	
Immunogen Catalog Number: AG14471	Calculated MW: 147 aa, 17 kDa	
	Observed MW: 17 kDa	

Applications

Tested Applications:
ELISA

Cited Applications:
WB, IHC

Species Specificity:
human

Cited Species:
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''-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.

Notable Publications

Author	Pubmed ID	Journal	Application
Fan Yang	31771040	Cancer Biomark	IHC
Qing Zhu	32661472	Int J Clin Exp Pathol	IHC, WB

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

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Selected Validation Data