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Product datasheet for CF811441

FHIT Mouse Monoclonal Antibody [Clone ID: OTI2C2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2C2
Applications:	IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:500
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human FHIT (NP_002003) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	16.7 kDa
Gene Name:	fragile histidine triad diadenosine triphosphatase
Database Link:	NP_002003 Entrez Gene 14198 MouseEntrez Gene 60398 RatEntrez Gene 2272 Human P49789

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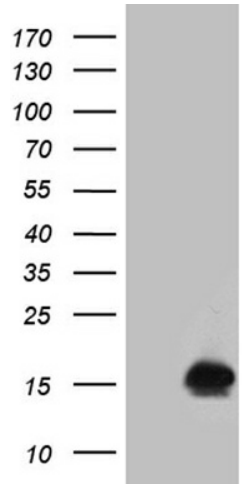
Background: This gene, a member of the histidine triad gene family, encodes a diadenosine 5',5'''-P1,P3-triphosphate hydrolase involved in purine metabolism. The gene encompasses the common fragile site FRA3B on chromosome 3, where carcinogen-induced damage can lead to translocations and aberrant transcripts of this gene. In fact, aberrant transcripts from this gene have been found in about half of all esophageal, stomach, and colon carcinomas. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Oct 2009]

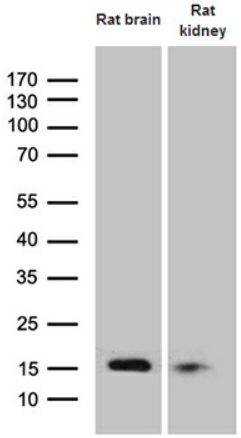
Synonyms: AP3Aase; FRA3B

Protein Pathways: Non-small cell lung cancer, Purine metabolism, Small cell lung cancer

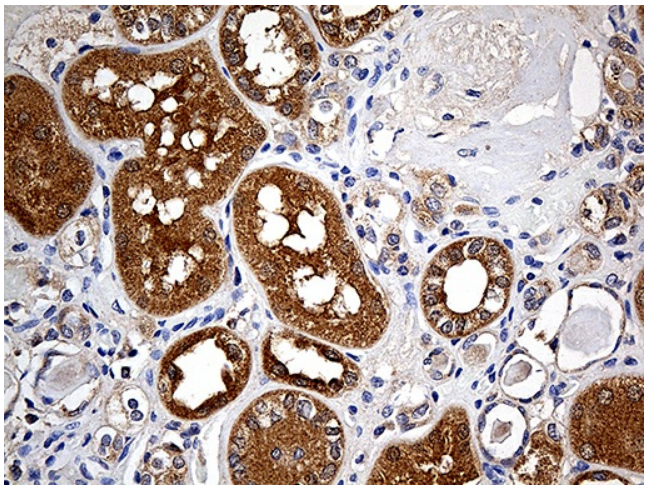
Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY FHIT ([RC207120], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FHIT. Positive lysates [LY419588] (100ug) and [LC419588] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 2 tissue lysates by using anti-FHIT monoclonal antibody (1:500).



Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-FHIT mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811441]) (1:500)