

产品名称: Fhit Rabbit Polyclonal Antibody
产品货号: AP Rab10957



产品概述 (Summary)

产品名称 (Production Name)	Fhit Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	FHIT FHIT; Bis(5'-adenosyl)-triphosphatase; AP3A hydrolase; AP3Aase; Diadenosine
别名 (Alternative Names)	5'; 5'''-P1,P3-triphosphate hydrolase; Dinucleosidetriphosphatase; Fragile histidine triad protein
基因 ID (Gene ID)	2272.0
蛋白 ID (SwissProt ID)	P49789.The antiserum was produced against synthesized peptide derived from human FHIT. AA range:81-130

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	16kDa

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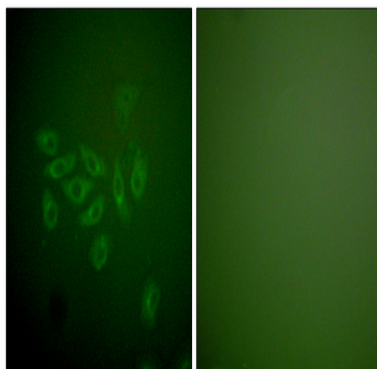
研究背景 (Background)

This gene, a member of the histidine triad gene family, encodes a diadenosine 5'-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], catalytic activity: P(1)-P(3)-bis(5'-adenosyl) triphosphate + H₂O = ADP + AMP, cofactor: Divalent cations. Magnesium, but manganese and to a lesser extent calcium or cobalt can be substituted; but not zinc, cadmium or nickel, disease: A chromosomal aberration involving FHIT is observed in early onset bilateral and multifocal clear cell renal carcinoma [MIM:144700]. Translocation t(3;8) (3p14.2), disease: Associated with digestive tract cancers. Numerous tumor types are found to have aberrant forms of FHIT protein due to deletions in a coding region of chromosome 3p14.2 including the fragile site locus FRA3B, function: Cleaves A-5'-PPP-5'A to yield AMP and ADP. Possible tumor suppressor for specific tissues, mass spectrometry: PubMed:15007172, similarity: Contains 1 HIT domain, subunit: Homodimer, tissue specificity: Low levels expressed in all tissues tested. Phospho-FHIT observed in liver and kidney, but not in brain and lung. Phospho-FHIT undetected in all tested human tumor cell lines.

研究领域 (Research Area)

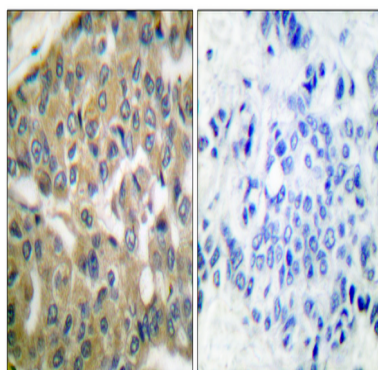
Purine metabolism; Small cell lung cancer; Non-small cell lung cancer;

图片 (Image Data)

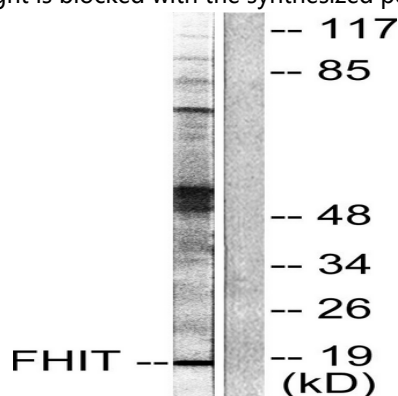


Immunofluorescence analysis of A549 cells, using FHIT Antibody. The picture on the right is blocked with the synthesized peptide.

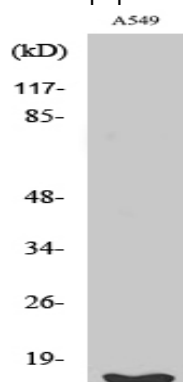
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Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using FHIT Antibody. The picture on the right is blocked with the synthesized peptide.

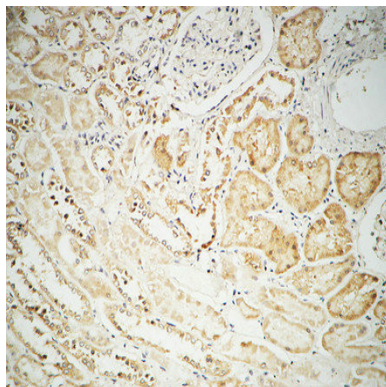


Western blot analysis of lysates from A549 cells, using FHIT Antibody. The lane on the right is blocked with the synthesized peptide.

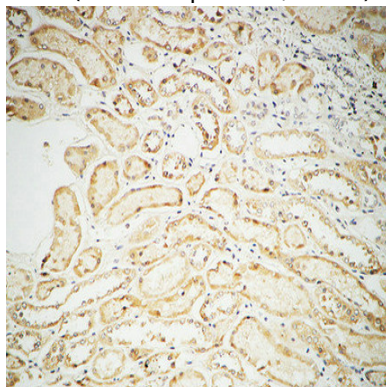


Western Blot analysis of various cells using Fhit Polyclonal Antibody

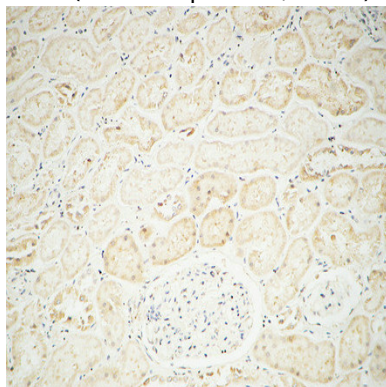
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Immunohistochemical analysis of paraffin-embedded Human kidney. 1, Antibody was diluted at 1:100 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .



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注意事项 (Note)

For research use only .