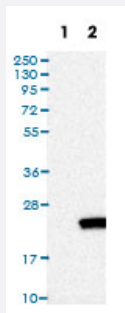


FHIT polyclonal antibody

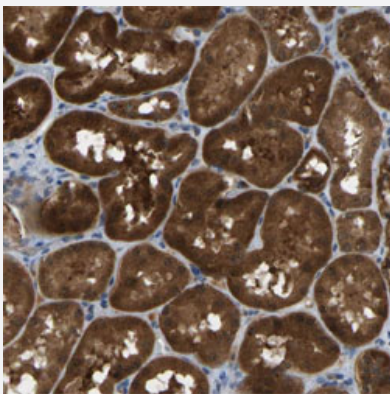
Catalog # PAB31051 Size 100 uL

Applications



Western Blot (Transfected lysate)

Western Blot (Cell lysate) analysis of (1) Negative control (vector only transfected HEK293T lysate), and (2) fHit over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human kidney shows strong cytoplasmic positivity in tubular cells.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human FHIT.
Immunogen	Recombinant protein corresponding to human FHIT.
Sequence	FRFGQHLIKPSVVFLKTELSFALVNRKPVVPGHVLVCLRPVERFHDLRPDEVADLFQTTQRVGT VVE
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20-50) Western Blot (1:100-250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

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Gene Info — FHIT

Entrez GeneID	2272
Protein Accession#	P49789
Gene Name	FHIT
Gene Alias	AP3Aase, FRA3B
Gene Description	fragile histidine triad gene
Omim ID	601153
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

AP3A hydrolase|bis(5'-adenosyl)-triphosphatase|diadenosine 5',5'''-P1,P3-triphosphate hydrolase|dinucleosidetriphosphatase|tumor suppressor protein

Publication Reference

- [High-resolution whole-genome analysis of skull base chordomas implicates FHIT loss in chordoma pathogenesis.](#)

Diaz RJ, Guduk M, Romagnuolo R, Smith CA, Northcott P, Shih D, Berisha F, Flanagan A, Munoz DG, Cusimano MD, Pamir MN, Rutka JT.

Neoplasia 2012 Sep; 14(9):788.

Application: IHC-P, Human , Human clival chordomas, Human tissue microarray

Pathway

- [Non-small cell lung cancer](#)
- [Purine metabolism](#)
- [Small cell lung cancer](#)

Disease

- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Cell Transformation](#)
- [Cervical Intraepithelial Neoplasia](#)
- [Chagas Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)

- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Laryngeal Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Mouth Neoplasms](#)
- [Overweight](#)
- [Papillomavirus Infections](#)
- [Pharyngeal Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Uterine Cervical Neoplasms](#)