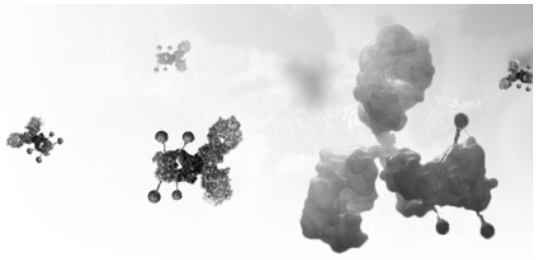

Anti-FHIT (aa 31-130) polyclonal antibody (DPAB-DC994)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	FHIT (AAH32336, 31 a.a. ~ 130 a.a) partial recombinant protein with GST tag. The sequence is VVPGHVLVCPLRPVERFHDLRPDEVADLFQTTQRVGTVVEKHFHGTSLTFSMQDGPEAGQTVKHVHVHVLPRKAGDFHRNDSIYEELQKHDKEDFPASWR
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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Gene Name	FHIT fragile histidine triad [Homo sapiens (human)]
Official Symbol	FHIT
Synonyms	FHIT; fragile histidine triad; FRA3B; AP3Aase; bis(5-adenosyl)-triphosphatase; AP3A hydrolase; tumor suppressor protein; dinucleosidetriphosphatase; diadenosine 5,5-P1,P3-triphosphate hydrolase;
Entrez Gene ID	2272
Protein Refseq	NP_001159715
UniProt ID	A0A024R366
Chromosome Location	3p14.2
Pathway	Non-small cell lung cancer; Purine metabolism; Small cell lung cancer;
Function	bis(5-adenosyl)-triphosphatase activity; catalytic activity; hydrolase activity; identical protein binding

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