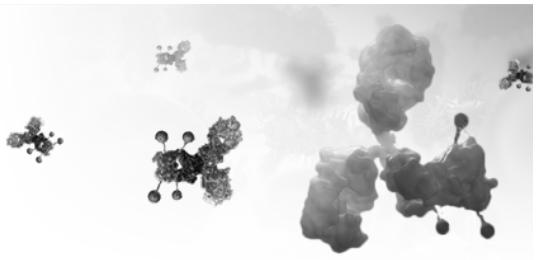

Mouse anti-Human FHIT monoclonal antibody, clone 2D4 (CABT-B10267)

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

PRODUCT INFORMATION

Immunogen	FHIT (AAH32336, 31 a.a. ~ 130 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	2D4
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	VVPGHVLVCPLRPVERFHDLRPDEVADLFQTTQRVGTVVEKHFHGTSLTFSMQDGPEAGQ TVKHVHVHVLPRKAGDFHRNDSIYEELQKHDKEDFPASWR
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	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]
Keywords	FHIT; fragile histidine triad; FRA3B; AP3Aase; bis(5-adenosyl)-triphosphatase; AP3A hydrolase; tumor suppressor protein; dinucleosidetriphosphatase; diadenosine 5,5-P1,P3-triphosphate hydrolase;

GENE INFORMATION

Entrez Gene ID	2272
UniProt ID	Q45QG9
Pathway	Non-small cell lung cancer, organism-specific biosystem; Non-small cell lung cancer, conserved biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem; Small cell lung cancer, organism-specific biosystem; Small cell lung cancer, conserved biosystem
Function	bis(5''-adenosyl)-triphosphatase activity; bis(5''-adenosyl)-triphosphatase activity; catalytic activity; hydrolase activity; hydrolase activity; nickel ion binding; protein binding

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