

Datasheet for ABIN4909573

anti-FHIT antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	FHIT
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FHIT antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This FHIT antibody is generated from a mouse immunized with a recombinant protein.
Clone:	3C2
Isotype:	IgG1
Cross-Reactivity:	Human
Purification:	Purified by Protein G.

Target Details

Target:	FHIT
Alternative Name:	FHIT (FHIT Products)
Background:	Synonyms: FRA3B, AP3Aase, Bis(5'-adenosyl)-triphosphatase, AP3A hydrolase, Diadenosine 5',5'''-P1,P3-triphosphate hydrolase, Dinucleosidetriphosphatase, Fragile histidine triad protein,

Target Details

FHIT

Background: Cleaves P(1)-P(3)-bis(5'-adenosyl) triphosphate (Ap3A) to yield AMP and ADP. Can also hydrolyze P(1)-P(4)-bis(5'-adenosyl) tetrphosphate (Ap4A), but has extremely low activity with ATP. Modulates transcriptional activation by CTNNB1 and thereby contributes to regulate the expression of genes essential for cell proliferation and survival, such as CCND1 and BIRC5. Plays a role in the induction of apoptosis via SRC and AKT1 signaling pathways. Inhibits MDM2-mediated proteasomal degradation of p53/TP53 and thereby plays a role in p53/TP53-mediated apoptosis. Induction of apoptosis depends on the ability of FHIT to bind P(1)-P(3)-bis(5'-adenosyl) triphosphate or related compounds, but does not require its catalytic activity, it may in part come from the mitochondrial form, which sensitizes the low-affinity Ca(2+) transporters, enhancing mitochondrial calcium uptake. Functions as tumor suppressor.

Gene ID: 2272

UniProt: [P49789](#)

Application Details

Application Notes: WB 1:300-5000

FCM 1:20-100

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

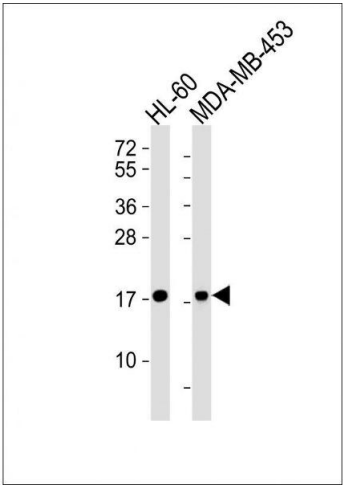
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months



Western Blotting

Image 1. Lane 1: HL-60 Cell lysates, Lane 2: MDA-MB-453 Cell lysates, probed with FHIT (1093CT23.1.2) Monoclonal Antibody, unconjugated (bsm-51300M) at 1:4000 overnight at 4°C followed by a conjugated secondary antibody for 60 minutes at 37°C.