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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-FHIT Antibody Picoband® Fluoro647 Conjugated

Catalog Number: PB9181-Fluoro647

About FHIT

Bis (5'-adenosyl)-triphosphatase, also known as fragile histidine triad protein (FHIT) is an enzyme that in humans is encoded by the FHIT gene. This gene, a member of the histidine triad gene family, encodes a diadenosine P1,P3-bis (5'-adenosyl)-triphosphate adenylohydrolase involved in purine metabolism. The gene encompasses the common fragile site FRA3B on chromosome 3p14.2, 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. Furthermore, FHIT has been shown to synergize with VHL, another tumor suppressor, in protecting against chemically - induced lung cancer. It also acts as a tumor suppressor of HER2/neu driven breast cancer.

Overview

Product Name	Anti-FHIT Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Human, Rat
Application	Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P49789

Technical Details

Immunogen	E.coli-derived human FHIT recombinant protein (Position: M1-Q147). Human FHIT shares 90% and 87% amino acid (aa) sequences identity with mouse and rat FHIT, respectively.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm

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Suggested Dilutions	Optimal dilutions should be determined by end users.

2 Publications Citing This Product

1. PubMed ID: 3000101, Neuroprotective Properties of Picroside II in a Rat Model of Focal Cerebral Ischemia

2. PubMed ID: 21151457, Li Q, Li Z, Xu Xy, Guo Yl, Du F. Int J Mol Sci. 2010 Nov 16;11(11):4580-90. Doi: 10.3390/Ijms11114580. Neuroprotective Properties Of Picroside Ii In A Rat Model Of Focal Cerebral Ischemia.

Visit bosterbio.com/anti-fhit-picoband-trade-antibody-pb9181-boster.html to see all 2 publications.

Anti-FHIT Antibody - Fluoro647

For Research Use Only. Not for use in diagnostic procedures.