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BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-AIF/AIFM1 Antibody Picoband® Fluoro594 Conjugated

Catalog Number: PA2232-Fluoro594

About AIFM1

Apoptosis-inducing factor 1, mitochondrial, also known as AIF or PDCD8 is a protein that in humans is encoded by the AIFM1 gene. AIFM1 gene is mapped to Xq26.1 based on an alignment of the AIFM1 sequence with the genomic sequence. This gene encodes a flavoprotein essential for nuclear disassembly in apoptotic cells, and it is found in the mitochondrial intermembrane space in healthy cells. Induction of apoptosis results in the translocation of this protein to the nucleus where it affects chromosome condensation and fragmentation. In addition, this gene product induces mitochondria to release the apoptogenic proteins cytochrome c and caspase-9. Mutations in this gene cause combined oxidative phosphorylation deficiency 6, which results in a severe mitochondrial encephalomyopathy. A related pseudogene has been identified on chromosome 10.

Overview

Product Name	Anti-AIF/AIFM1 Antibody Picoband® Fluoro594 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
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	O95831

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human AIF, identical to the related rat and mouse sequences.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm

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Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

3 Publications Citing This Product

1. PubMed ID: 27895670, Wnt5a Increases Properties of Lung Cancer Stem Cells and Resistance to Cisplatin through Activation of Wnt5a/PKC Signaling Pathway

2. PubMed ID: 25168103, Feng T, Liu Y, Li C, Li Z. Cell Biochem Biophys. 2015 Jan;71(1):345-51. Doi: 10.1007/S12013-014-0204-1. Protective Effects Of Nigranoic Acid On Cerebral Ischemia-Reperfusion Injury And Its Mechanism Involving Apoptotic Signaling Pathway.

3. PubMed ID: 27330750, Mechanism of apoptosis induction in human hepatocellular carcinoma cells following treatment with a gecko peptides mixture

Visit bosterbio.com/anti-aif-antibody-pa2232-boster.html to see all 3 publications.

Anti-AIF/AIFM1 Antibody - Fluoro594

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