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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Hsp90 alpha/HSP90AA1 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PB9089-Fluoro488

About HSP90AA1

Heat shock protein HSP 90-alpha is a protein that in humans is encoded by the HSP90AA1 gene. The gene, HSP90AA1, encodes the human stress-inducible 90-kDa heat shock protein alpha (Hsp90A). Complemented by the constitutively expressed paralog Hsp90B which shares over 85% amino acid sequence identity, Hsp90A expression is initiated when a cell experiences proteotoxic stress. Once expressed Hsp90A dimers operate as molecular chaperones that bind and fold other proteins into their functional 3-dimensional structures. This molecular chaperoning ability of Hsp90A is driven by a cycle of structural rearrangements fueled by ATP hydrolysis. Current research on Hsp90A focuses in its role as a drug target due to its interaction with a large number of tumor promoting proteins and its role in cellular stress adaptation.

Overview

Product Name	Anti-Hsp90 alpha/HSP90AA1 Antibody Picoband® Fluoro488 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	P07900

Technical Details

Immunogen	E.coli-derived human Hsp90 alpha recombinant protein (Position: P2-V365). Human Hsp90 alpha shares 99% amino acid (aa) sequence identity with both mouse and rat Hsp90 alpha.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm

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

7 Publications Citing This Product

1. PubMed ID: 10.3390/ijms15010186, The Effect of 5-Adenylic Acid on Hepatic Proteome of Mice Radiated by 60Co gamma-ray

2. PubMed ID: 10.3892/ijo.2015.3039, Autophagy is involved in recombinant Newcastle disease virus (rL-RVG)-induced cell death of stomach adenocarcinoma cells in vitro

3. PubMed ID: 10.1016/j.cellbi.2009.01.008, Rat bone marrow derived mesenchymal progenitor cells support mouse ES cell growth and germ-like cell differentiation

Visit bosterbio.com/anti-hsp90-alpha-picoband-trade-antibody-pb9089-boster.html to see all 7 publications.

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