

Anti-XAF1 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: A03432-1-Fluoro488

About XAF1

XAF1 also called XIAP-associated factor 1, antagonizes the anticaspase activity of XIAP and may be important in mediating apoptosis resistance in cancer cells. By genomic sequence analysis, the XAF1 gene contains 7 exons spanning 18 kb. Southern blot analysis suggested that XAF1 is a single-copy gene. The XAF1 gene is mapped on 17p13.1. Fluorescence microscopy demonstrated nuclear expression of XAF1, in contrast to the cytoplasmic expression of XIAP. Functional analysis indicated that XAF1 reverses the XIAP-mediated inhibition of CASP3 and its protection against apoptosis. Northern blot analysis detected wide expression of 3.9-, 4.5-, 6.0-, and 7.0-kb XAF1 transcripts, with highest levels in heart and ovary and lowest levels in brain and testis. Antisense experiments determined that loss of XAF1 expression enhances resistance to apoptosis. Alteration in XAF1 and XIAP RNA expression levels may lead to increased apoptotic resistance and proliferation due to unregulated XIAP function in cancer cells.

Overview

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| Product Name | Anti-XAF1 Antibody Picoband® Fluoro488 Conjugated |
| Reactive Species | Human |
| Application | Flow Cytometry |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | Q6GPH4 |

Technical Details

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| Immunogen | E.coli-derived human XAF1 recombinant protein (Position: Q197-S301). |
| 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 |

Suggested Dilutions

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

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Anti-XAF1 Antibody - Fluoro488

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