

## Anti-XAF1 Antibody Picoband® HRP Conjugated

Catalog Number: A03432-1-HRP

### 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

Product Name	Anti-XAF1 Antibody Picoband® HRP Conjugated
Reactive Species	Human
Application	WB, IHC, ELISA
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q6GPH4

### Technical Details

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	HRP

**Suggested Dilutions**

Western blot, Optimal dilutions should be determined by end users.  
Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by end users.  
ELISA, Optimal dilutions should be determined by end users.

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