

## Product datasheet for **AP07806PU-N**

### **XAF1 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>Immunohistochemistry on Paraffin Sections:</b> 5 µg/ml. <b>Western Blot:</b> 0.5 - 2 µg/ml.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic Peptide corresponding to amino acids at the C-terminus of human XAF-1.
Specificity:	This antibody recognises XIAP-Associated Factor 1.
Formulation:	Phosphate Buffered Saline PBS containing 0.02% Sodium Azide as preservative. State: Aff - Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C to -70°C for longer. Dilute only prior to immediate use. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	XIAP associated factor 1
Database Link:	<u><a href="#">Entrez Gene 54739 Human</a></u> <u><a href="#">Q6GPH4</a></u>



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**Background:**

XAF-1 binds to XIAP, an inhibitor of caspases-3, -7, and -9, and triggers its relocation from the cytosol to the nucleus. Overexpression of XAF-1 results in the neutralization of XIAP's ability to inhibit cell death. XAF-1 is normally expressed in all adult and fetal tissues but was found to be present in very low levels in a variety of cancer cell lines. In contrast, XIAP levels have been shown to be high in a majority of cell lines. Low XAF-1 and high basal expression of XIAP may therefore play a critical role in maintaining survival of cancer cell lines. Both IFN- $\alpha$ 2 and IFN- $\beta$  can induce XAF-1 mRNA in all cells examined but induction of XAF-1 protein (as observed by immunoblot analysis) was seen only in cell lines sensitive to the apoptotic effects of IFNs.

**Synonyms:**

XIAPAF1, BIRC4BP

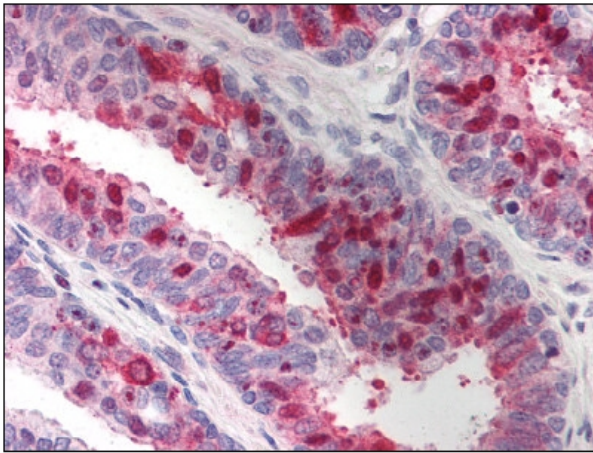
**Product images:**


Figure 1. Staining XAF1 in Prostate by Immunohistochemistry using Formalin-Fixed Paraffin-Embedded (FFPE) tissue.