

Basic Information

Product Name	Anti-XAF1 Antibody
Gene Name	XAF1
Source	Rabbit
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC
Contents	500 ug/ml antibody with PBS , 0.02% NaN3 , 1 mg BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human XAF1(283-301aa QEKCRWLASSKGKQVRNFS).
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	34KD
Dilution Ratios	Western blot(WB): 1:500-2000 Immunohistochemistry in paraffin section (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

XIAP associated factor-1, also known as XAF1, is a human gene. X-linked inhibitor of apoptosis(XIAP; MIM 300079) is a potent member of the IAP family. All members of this family possess baculoviral IAP(BIR) repeats, cysteine-rich domains of approximately 80 amino acids that bind and inhibit caspases. XAF1 antagonizes the anticaspase activity of XIAP and may be important in mediating apoptosis resistance in cancer cells. And alteration in XAF1 and XIAP RNA expression levels may lead to increased apoptotic resistance and proliferation due to unregulated XIAP function in cancer cells.

Selected Validation Data

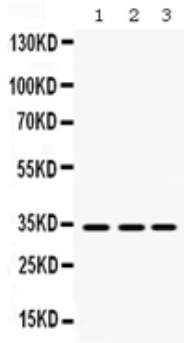


Figure 1. Western blot analysis of anti-XAF1 antibody (BA4986). The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: human HepG2 whole cell lysates, Lane 2: Rat RH35 whole cell lysates, Lane 3: Mouse HepA whole cell lysates. Use rabbit anti- XAF1 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for XAF1 at approximately 34KD. The expected band size for XAF1 is at 34KD.