

Anti-XAF1 Antibody

Catalog # ABO10598

Product Information

Application	WB, IHC-P
Primary Accession	Q6GPH4
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for XIAP-associated factor 1(XAF1) detection. Tested with WB, IHC-P in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	54739
Other Names	XIAP-associated factor 1, BIRC4-binding protein, XAF1, BIRC4BP, XIAPAF1
Calculated MW	34626
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, By Heat Western blot, 0.1-0.5 μ g/ml, Human
Subcellular Localization	Cytoplasm. Nucleus. Mitochondrion. Found in the cytoplasm and nucleus of placental syncytiotrophoblasts. Translocates to mitochondria upon TNF-alpha treatment.
Tissue Specificity	Widely expressed. Expression is frequently down-regulated in cancer cell lines. Isoform 5 is widely expressed. Expressed in placenta (at protein level). .
Source	Eukaryota
Protein Name	XIAP-associated factor 1
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human XAF1(283-301aa QEKCRWLASSKGKQVRNFS).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins

Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.
Sequence Similarities	Contains 1 TRAF-type zinc finger.

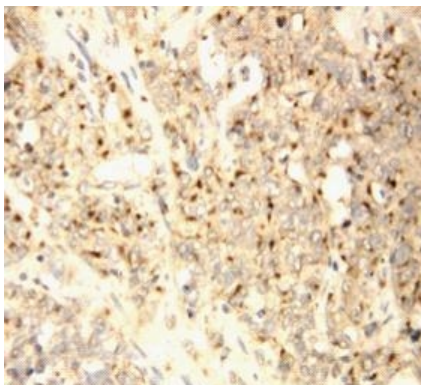
Protein Information

Name	XAF1
Synonyms	BIRC4BP, XIAPAF1
Function	Seems to function as a negative regulator of members of the IAP (inhibitor of apoptosis protein) family. Inhibits anti-caspase activity of BIRC4. Induces cleavage and inactivation of BIRC4 independent of caspase activation. Mediates TNF-induced apoptosis and is involved in apoptosis in trophoblast cells. May inhibit BIRC4 indirectly by activating the mitochondrial apoptosis pathway. After translocation to mitochondria, promotes translocation of BAX to mitochondria and cytochrome c release from mitochondria. Seems to promote the redistribution of BIRC4 from the cytoplasm to the nucleus, probably independent of BIRC4 inactivation which seems to occur in the cytoplasm. The BIRC4-XAF1 complex mediates down-regulation of BIRC5/survivin; the process requires the E3 ligase activity of BIRC4. Seems to be involved in cellular sensitivity to the proapoptotic actions of TRAIL. May be a tumor suppressor by mediating apoptosis resistance of cancer cells.
Cellular Location	Cytoplasm. Nucleus. Mitochondrion. Note=Found in the cytoplasm and nucleus of placental syncytiotrophoblasts Translocates to mitochondria upon TNF treatment [Isoform 5]: Nucleus.
Tissue Location	Widely expressed. Expression is frequently down- regulated in cancer cell lines. Isoform 5 is widely expressed Expressed in placenta (at protein level).

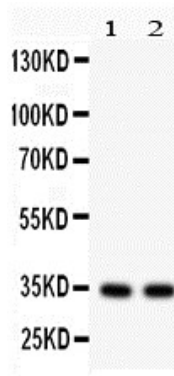
Background

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.

Images



Anti-XAF1 antibody, ABO10598, IHC(P)IHC(P): Human Endometrial Carcinoma Tissue



Anti-XAF1 antibody, ABO10598, Western blottingAll lanes:
Anti XAF1 (ABO10598) at 0.5ug/mlLane 1: HEPG2 Whole
Cell Lysate at 40ugLane 2: HEPG2 Whole Cell Lysate at
40ugPredicted bind size: 34KDObserved bind size: 34KD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.