

Rabbit XAF1 Polyclonal Antibody | anti-XAF1 antibody

XAF1 Antibody

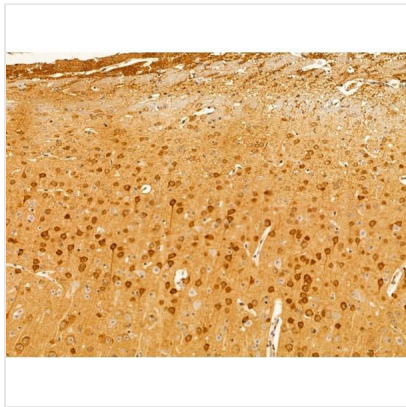
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329128	Rabbit	Human, Mouse, Rat	ELISA

PRODUCT SYNONYMS

XAF1; Polyclonal Antibody; XAF1 Antibody; BIRC 4 binding protein; BIRC4 binding protein; BIRC4-binding protein; BIRC4BP; HSXIAPAF 1; HSXIAPAF1; XAF 1; XAF1_HUMAN; XIAP associated factor 1; XIAP-associated factor 1; XIAPAF1; anti-XAF1 antibody

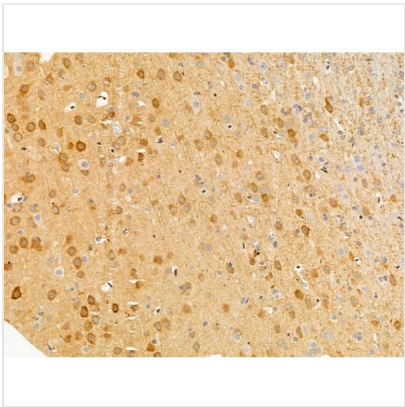
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	XAF1 Antibody detects endogenous levels of total XAF1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	317
Applicable Applications for anti-XAF1 antibody	ELISA
Immunogen	A synthesized peptide derived from human XAF1, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



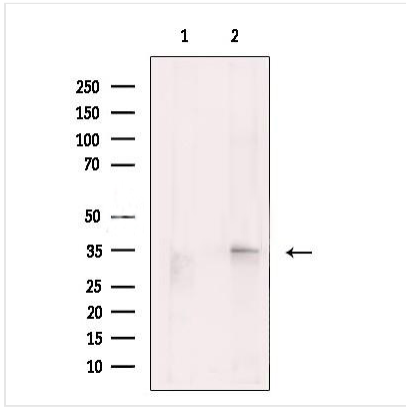
IHC (Immunohistochemistry)

AAA329128 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA329128 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Human spleen, using XAF1 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-XAF1 antibody

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-alpha-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.

Subcellular Location: Cytoplasm. Nucleus. Mitochondrion. Note: Found in the cytoplasm and nucleus of placental syncytiotrophoblasts. Translocates to mitochondria upon TNF-alpha treatment.Nucleus. Nucleus.

Tissue Specificity: Widely expressed. Expression is frequently down-regulated in cancer cell lines. Isoform 5 is widely expressed. Expressed in placenta (at protein level).

Subunit Structure: Interacts with BIRC4; the interaction is not detected in (PubMed:16432762). Interacts with BIRC1, BIRC2, BIRC3, BIRC7 and BIRC8. Part of an complex consisting of BIRC4, XAF1 and BIRC5; the complex formation requires IFN-beta stimulation. Interacts with RNF114, the interaction increases XAF1 stability and proapoptotic effects, and may regulate IFN signaling.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1869901
NCBI GeneID	54739
UniProt Accession #	Q6GPH4
Molecular Weight	Observed Molecular Weight: (Observed)34kD. Predicted Molecular Weight: (Calculated)35kDa.
NCBI Official Full Name	XIAP associated factor-1 (ZAP-1)
NCBI Official Synonym Full Names	XIAP associated factor 1
NCBI Official Symbol	XAF1
NCBI Official Synonym Symbols	BIRC4BP; XIAPAF1; HSXIAPAF1
NCBI Protein Information	XIAP-associated factor 1
UniProt Protein Name	XIAP-associated factor 1
UniProt Gene Name	XAF1
UniProt Synonym Gene Names	BIRC4BP; XIAPAF1
UniProt Entry Name	XAF1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/xaf1-antibody-elisa/329128>