

XAF1 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS11507

Specification

XAF1 Antibody (C-Terminus) - Product Information

Application	IF, IHC
Primary Accession	O6GPH4
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35kDa KDa

XAF1 Antibody (C-Terminus) - Additional Information

Gene ID 54739

Other Names

XIAP-associated factor 1, BIRC4-binding protein, XAF1, BIRC4BP, XIAPAF1

Target/Specificity

synthetic peptide corresponding to amino acids at the C-terminus of human XAF-1

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

XAF1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

XAF1 Antibody (C-Terminus) - 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-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.

Cellular Location

Cytoplasm. Nucleus. Mitochondrion. Note=Found in the cytoplasm and nucleus of placental syncytiotrophoblasts Translocates to mitochondria upon TNF-alpha treatment [Isoform 5]: Nucleus.

Tissue Location

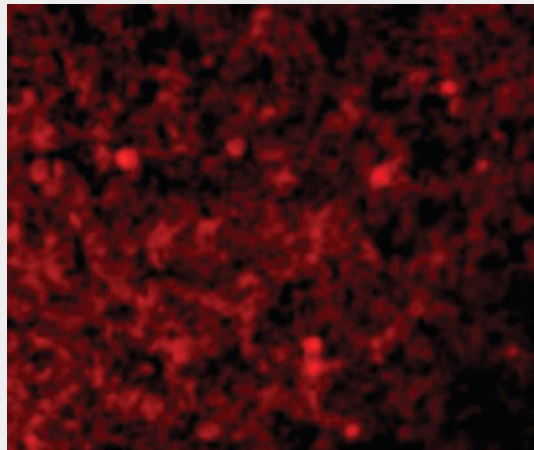
Widely expressed. Expression is frequently down- regulated in cancer cell lines. Isoform 5 is widely expressed Expressed in placenta (at protein level).

XAF1 Antibody (C-Terminus) - Protocols

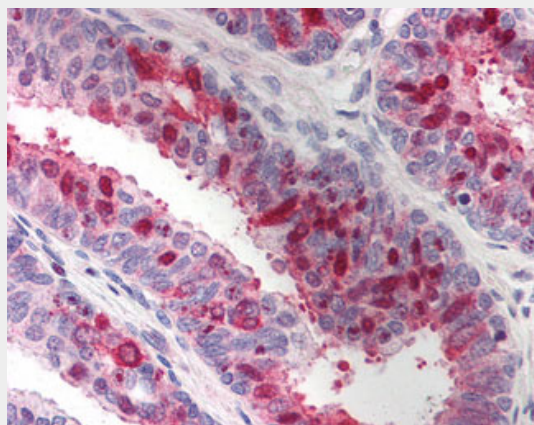
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

XAF1 Antibody (C-Terminus) - Images



Immunofluorescence of XAF-1 in Human Spleen cells with XAF-1 antibody at 10 ug/ml.



Anti-XAF1 antibody IHC of human prostate.

XAF1 Antibody (C-Terminus) - Background

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XAF1 Antibody (C-Terminus) - References

- Liston P., et al. *Nat. Cell Biol.* 3:128-133(2001).
- Chung S.K., et al. *Gastroenterology* 132:2459-2477(2007).
- Ota T., et al. *Nat. Genet.* 36:40-45(2004).
- Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
- Bechtel S., et al. *BMC Genomics* 8:399-399(2007).