

XAF1 Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP20645c**Specification**

XAF1 Blocking Peptide (C-term) - Product InformationPrimary Accession [Q6GPH4](#)**XAF1 Blocking Peptide (C-term) - Additional Information****Gene ID** 54739**Other Names**

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

Target/Specificity

The synthetic peptide sequence is selected from aa 235-249 of HUMAN XAF1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

XAF1 Blocking Peptide (C-term) - 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 Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

XAF1 Blocking Peptide (C-term) - Images

XAF1 Blocking Peptide (C-term) - Background

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XAF1 Blocking Peptide (C-term) - References

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