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XAF-1 Blocking Peptide
Catalog # PBV10321b

Specification

XAF-1 Blocking Peptide - Product Information

Primary Accession	Q6GPH4
Other Accession	CAA68030
Gene ID	54739
Calculated MW	34626

XAF-1 Blocking Peptide - Additional Information

Gene ID 54739

Application & Usage	**The peptide is used for blocking the antibody activity of active XAF-1. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30 minutes at 37°C**

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

Target/Specificity
XAF-1

Formulation
50 µg (0.2 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 0.1% BSA and 0.02% thimerosal.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
XAF-1 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

XAF-1 Blocking Peptide - 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).

XAF-1 Blocking Peptide - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

XAF-1 Blocking Peptide - Images