

**Mouse Xaf1 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP19333c**

**Specification**

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**Mouse Xaf1 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q5NBU8</a>
Other Accession	<a href="#">NP_001032802.2</a>
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	31117
Antigen Region	166-194

**Mouse Xaf1 Antibody (Center) - Additional Information**

**Gene ID** 327959

**Other Names**

XIAP-associated factor 1, BIRC4-binding protein, Xaf1, Birc4bp, Xiapaf1

**Target/Specificity**

This Mouse Xaf1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 166-194 amino acids from the Central region of mouse Xaf1.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Mouse Xaf1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**Mouse Xaf1 Antibody (Center) - 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 (By similarity).

#### **Cellular Location**

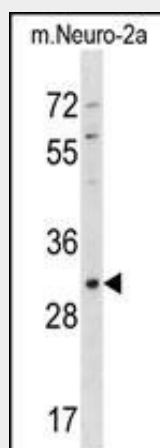
Cytoplasm. Nucleus. Mitochondrion

#### **Mouse Xaf1 Antibody (Center) - 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](#)

#### **Mouse Xaf1 Antibody (Center) - Images**



Mouse Xaf1 Antibody (Center)(Cat. #AP19333c) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane). This demonstrates the Xaf1 antibody detected the Xaf1 protein (arrow).

#### **Mouse Xaf1 Antibody (Center) - Background**

Xaf1 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 (By similarity).

#### **Mouse Xaf1 Antibody (Center) - References**

Bai, Y., et al. J. Biol. Chem. 283(11):6832-6842(2008)  
Qiao, L., et al. Tumour Biol. 29(2):122-129(2008)  
Wang, X., et al. Neurobiol. Dis. 16(1):179-189(2004)  
Zambrowicz, B.P., et al. Proc. Natl. Acad. Sci. U.S.A. 100(24):14109-14114(2003)