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Mouse Xaf1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19333c

Specification

Mouse Xaf1 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q5NBU8
Other Accession	NP_001032802.2
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
E~~Use at an assay dependent concentration.

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).

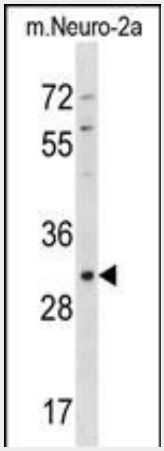
Cellular Location
Cytoplasm. Nucleus. Mitochondrion

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 Cytomety
- 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 mitochondra, promotes translocation of BAX to mitochondria and

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Mouse Xaf1 Antibody (Center) - References

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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)