

XAF1 (E1E4O) Rabbit mAb

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 32, 38	Source/Isotype: Rabbit IgG	UniProt ID: #Q6GPH4	Entrez-Gene Id: 54739
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Product Usage Information**Application**

Western Blotting
Immunoprecipitation

Dilution

1:1000
1:100

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

XAF1 (E1E4O) Rabbit mAb recognizes endogenous levels of total XAF1 protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val210 of human XAF1 protein.

Background

X-linked inhibitor of apoptosis (XIAP)-associated factor 1 (XAF1) is a zinc finger protein that antagonizes the anti-apoptotic activity of XIAP (1,2). XIAP, a member of the inhibitor of apoptosis (IAP) family, inhibits apoptosis by direct inhibition of caspases (3; reviewed in 4). XAF1 is widely expressed in normal tissues, with highest levels in the heart and ovary, but is mostly reduced in cancer lines (1,2). Expression of XAF1 can be induced by interferons via Stat transcriptional activity (5-7). The levels of XAF1 have been shown to be inversely correlated with p53, and p53 is directly responsible for inhibiting XAF1 transcription (8,9). A number of studies have shown that XAF1 can function as a tumor suppressor protein, and decreased levels of XAF1 are found in a variety of different cancers (10-13). Research studies suggest that expression of XAF1 may be a prognostic biomarker for some cancers (14-16).

Background References

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Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween@ 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: Human

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