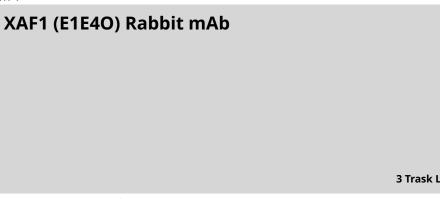
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Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 32, 38	Source/Isotype: Rabbit IgG	UniProt ID: #Q6GPH4	Entrez-Gene Id: 54739		
Product Usage Information	2	Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:100			
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/Sen	pecificity/Sensitivity XAF1 (E1E4O) Rabbit mAb recognizes endogenous levels of total XAF1 protein.							
Source / Purifi	cation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val210 of human XAF1 protein.				prresponding to		
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 R	eferences	1. Fong, W.G. et al. (200 2. Liston, P. et al. (2001) 3. Deveraux, Q.L. et al. (4. Goyal, L. (2001) <i>Cell</i> 1 5. Leaman, D.W. et al. (2 6. Sun, Y. et al. (2008) <i>C</i> 7. Bai, Y. et al. (2008) <i>J</i> 8. Zhang, W. et al. (2010) 9. Zou, B. et al. (2012) <i>N</i> 10. Byun, D.S. et al. (2004) 12. Ma, T.L. et al. (2005) 13. Zou, B. et al. (2006) 14. Huang, J. et al. (2010) 15. Chen, Y.B. et al. (2012)	Nat Cell Biol 3, 12 (1997) Nature 388, 04, 805-8. 2002) J Biol Chem 2 ancer Lett 260, 62 Biol Chem 283, 683 0) Int J Oncol 36, 1 Aol Carcinog 51, 42 03) Cancer Res 63, 1) Invest Dermato 1) Chin J Dig Dis 6, 1 Gastroenterology 0) Cancer Sci 101, 11) Chin Med J (En	8-33. 300-4. 277, 28504-11. -71. 2-42. 031-7. 22-32. 7068-75. (123, 1127-34. 0-4. 131, 1835-43. 559-67. gl) 124, 3238-43.				
Spacios Boasti	vity	Spaciae reactivity is dat	arminad by tastin	a in at least one approve	d application (a g	wastara blat)		
Species Reacti	vity	Species reactivity is det	ermined by testing	g in at least one approve	application (e.g.,	western blot).		
Western Blot E	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 K	ey	W: Western Blotting IP: Immunoprecipitation						
Cross-Reactivi	ty Key	H: Human						
Trademarks and Patents		Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.						
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