

F1A α (CT) Polyclonal Antibody

Product Specifications

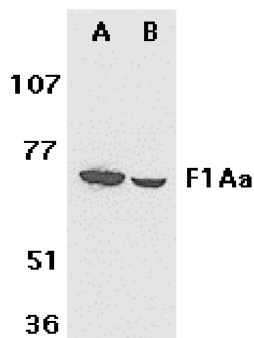
Catalog Number:	905-221
Host:	Rabbit
Species Reactivity:	Human, mouse, and rat
Applications: <i>The optimal dilution for a specific application must be determined by the investigator</i>	WB: 0.5 to 1 μ g/mL IHC: 5 μ g/mL
Predicted m.w.:	~70 kDa
Concentration:	See product label
Purification:	Immunoaffinity
Format:	PBS, 0.02% sodium azide
Storage: <i>Shipping conditions may differ from the recommended storage temperature</i>	Store at -20°C
Immunogen:	Synthetic peptide derived from sequence near the carboxy-terminus of human F1A α ¹ ; sequence identical to the corresponding sequence of mouse FEM1 β ²
Related Products:	
LYT-MM100	Mouse Liver Microsome Extract
LYT-RB100	Rat Brain Tissue Extract
SAB-300	Goat anti-Rabbit IgG Polyclonal Antibody, HRP Conjugate
AAM-227	Fas Monoclonal Antibody (ZB4)
AAP-221	Fas Polyclonal Antibody
CSA-815	TNF-R1 Polyclonal Antibody
AAP-300	Apaf-1 Polyclonal Antibody

Background:

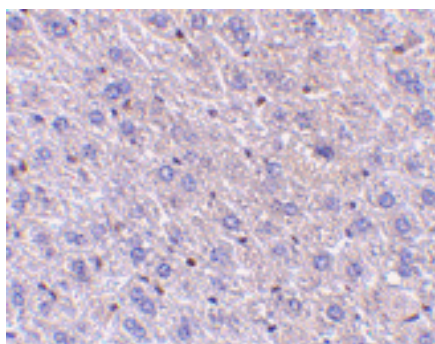
Fas and tumor necrosis factor receptor 1 (TNFR1) represent two prototype members in the death receptor family. Researchers identified a novel protein that associates with the intracellular domains of Fas and TNFR1, designated F1A α and FEM1 β ^{1,2}. F1A α /FEM1 β represents the homologue of *C. elegans* sex determining protein FEM-1^{1,2}. FEM-1/F1A α is cleaved by CED-3 and caspase³. FEM-1/F1A α associates with CED-4 and its mammalian homologue Apaf-1³. Overexpression of F1A α induces apoptosis, making F1A α a novel member of the death receptor associated protein that mediates apoptosis. F1A α expression occurs in a variety of human and mouse tissues^{1,2}.

References:

1. Chan, S.L., *et al.* (1999) J Biol Chem. **274**, 32461-32468.
2. Ventura-Holman, T. and Maher, J.F. (2000) Biochem Biophys Res Commun. **267**, 317-320.
3. Chan, S.L., *et al.* (2000) J Biol Chem. **275**, 17925-17928.



Western blot analysis of F1A α in mouse (A) and rat (B) liver tissue lysates with F1A α Polyclonal Antibody at 1 μ g/mL



Immunohistochemistry of F1A α in mouse liver tissue with F1A α antibody at 5 μ g/mL

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