

## Polyclonal Antibody to Anti-F1Aa

<b>Catalog No.:</b>	SP6283P
<b>Quantity:</b>	50 µg
<b>Concentration:</b>	0.5 mg/ml
<b>Host:</b>	Rabbit
<b>Immunogen:</b>	Rabbit anti-F1Aa polyclonal antibody was raised against a peptide (DINYQDQIPRTLEE) corresponding to amino acids 609 to 622 of human F1Aa d? (1). This sequence is identical to the corresponding sequence of mouse FEM1β d? (2).
<b>Applications:</b>	This polyclonal antibody can be used for detection of F1Aa by Western blot at 0.5 to 1 µg/ml. Mouse liver tissue lysate can be used as positive control and an approximately 70 kDa band can be detected. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	Fas and tumor necrosis factor receptor 1 (TNFR1) are two prototype members in the death receptor family. A novel protein that associates with the intracellular domains of Fas and TNFR1 was recently identified and designated F1Aa and FEM1β (1,2). F1Aa/FEM1β is the homologue of C. elegans sex determining protein FEM-1 (1,2). FEM-1/F1Aa is cleaved by CED-3 and caspase (3). FEM-1/F1Aa associates with CED-4 and its mammalian homologue Apaf-1 (3). Overexpression of F1Aa induces apoptosis. F1Aa is therefore a novel member of the death receptor associated protein that mediates apoptosis. F1Aa is expressed in a variety of human and mouse tissues (1,2). Reacts with human, mouse and rat.
<b>Storage:</b>	Store the antibody at 4°C. Shelf life: one year from despatch.
<b>General Readings:</b>	<ol style="list-style-type: none"> <li>1. Chan SL, Tan KO, Zhang L, Yee KS, Ronca F, Chan MY, Yu VC. F1Aa, a death receptor-binding protein homologous to the Caenorhabditis elegans sex-determining protein, FEM-1, is a caspase substrate that mediates apoptosis. J Biol Chem. 1999;274(45):32461-8.</li> <li>2. Ventura-Holman T, Maher JF. Sequence, organization, and expression of the human FEM1B gene. Biochem Biophys Res Commun 2000;267(1):317-20</li> <li>3. Chan SL, Yee KS, Tan KM, Yu VC. The Caenorhabditis elegans sex determination protein FEM-1 is a CED-3 substrate that associates with CED-4 and mediates apoptosis in mammalian</li> </ol>

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

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