

FAT Rabbit pAb

Catalog # AP98456

Product Information

Application	IHC-P, IHC-F, IF
Reactivity	Rat
Predicted	Pig, Human, Mouse, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	506 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FAT/CDHF7
Epitope Specificity	1401-1500/4588
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBUNIT	Interacts (via the C-terminus 4300-4400 AA) with ATN1. Interacts with RERE. Interacts (via EVH1 domains) with ENAH. Interacts (via cytoplasmic domain) with CTNNB1.
Post-translational modifications	Undergoes proteolytic cleavage. The extracellular domain is cleaved off and the cytoplasmic domain (about 400 AA) shuttles to the nucleus.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene is an ortholog of the Drosophila fat gene, which encodes a tumor suppressor essential for controlling cell proliferation during Drosophila development. The gene product is a member of the cadherin superfamily, a group of integral membrane proteins characterized by the presence of cadherin-type repeats. In addition to containing 34 tandem cadherin-type repeats, the gene product has five epidermal growth factor (EGF)-like repeats and one laminin A-G domain. This gene is expressed at high levels in a number of fetal epithelia. Its product probably functions as an adhesion molecule and/or signaling receptor, and is likely to be important in developmental processes and cell communication. Transcript variants derived from alternative splicing and/or alternative promoter usage exist, but they have not been fully described. [provided by RefSeq].

Additional Information

Gene ID	2195
Other Names	CDHF7; CDHR8; FAT; ME5; hFat1; 2310038E12Rik; Fath; mFat1; FAT1_HUMAN; FAT1; Cadherin family member 7; Cadherin-related tumor suppressor homolog; Protein fat homolog; FAT atypical cadherin 1; FAT tumor suppressor (Drosophila) homolog; FAT tumor suppressor homolog 1 (Drosophila); cadherin-related family member 8
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Name	FAT Rabbit pAb
Function	Plays an essential role for cellular polarization, directed cell migration and modulating cell-cell contact.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.