



# FAT1 rabbit pAb

Cat No.:ES9143

For research use only

## Overview

<b>Product Name</b>	FAT1 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	IHC;IF
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	IHC-p 1:50-300
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 1140-1220
<b>Specificity</b>	FAT1 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Protocadherin Fat 1 (Cadherin family member 7) (Cadherin-related tumor suppressor homolog) (Protein fat homolog) [Cleaved into: Protocadherin Fat 1, nuclear form]
<b>Gene Name</b>	FAT1 CDHF7 FAT
<b>Cellular localization</b>	[Protocadherin Fat 1]: Cell membrane ; Single-pass type I membrane protein .; [Protocadherin Fat 1, nuclear form]: Nucleus .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	504kD
<b>Human Gene ID</b>	2195
<b>Human Swiss-Prot Number</b>	Q14517
<b>Alternative Names</b>	
<b>Background</b>	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, Jul 2008],

Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

