

Product datasheet for **TA351182**

FAT (FAT1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 50-200 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human FAT1
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	FAT atypical cadherin 1
Database Link:	NP_005236 Entrez Gene 2195 Human Q14517



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Background:

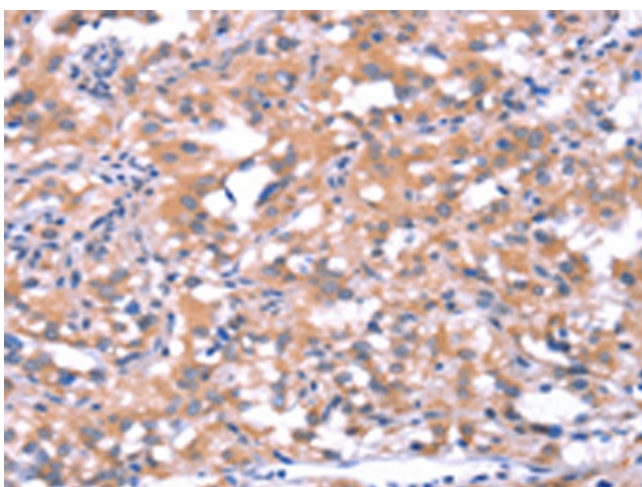
This gene is an ortholog of the *Drosophila* fat gene, which encodes a tumor suppressor essential for controlling cell proliferation during *Drosophila* development. The gene product is a member of the cadherin superfamily, a group of integral membrane proteins characterized by the presence of cadherin-type 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.

Synonyms:

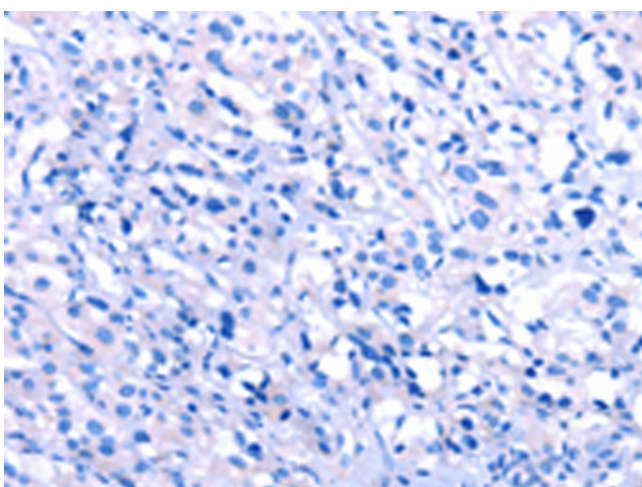
CDHF7; CDHR8; FAT; hFat1; ME5

Protein Families:

Druggable Genome, Transmembrane

Product images:

Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA351182 (FAT1 Antibody) at dilution 1/40 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA351182 (FAT1 Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: $\times 200$)