

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **FAT1 RABBIT PAB**

Cat.#: S220544

**Product Name:** Anti-FATI Rabbit Polyclonal Antibody

**Synonyms:** FAT; ME5; CDHF7; CDHR8; hFat1

UNIPROT ID: Q14517 (Gene Accession - NP\_005236)

**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.

**Immunogen:** Synthetic peptide of human FAT1

**Applications:** ELISA, IHC

Recommended Dilutions: IHC: 50-200; ELISA: 5000-10000

Host Species: Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification

Species Reactivity: Human

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40%

glycerol

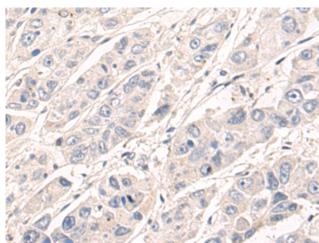
Research Areas: Signal Transduction, Epigenetics and Nuclear Signaling, Cancer

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

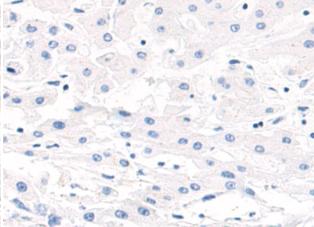


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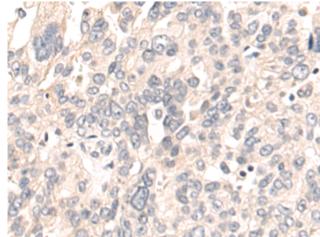
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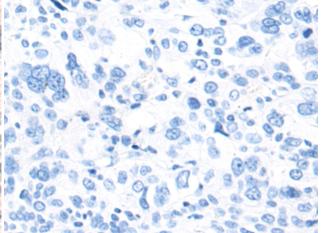
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 220544(FAT1 Antibody) at a dilution of 1/50(Cytoplasm).



In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the synthetic peptide and then with 220544(Anti-FATI Antibody) at dilution 1/50.



The image on the left is immunohistochemistry of paraffinembedded Human breast cancer tissue using cancer tissue is first treated with synthetic 220544(Anti-FAT1 Antibody) at a dilution of 1/50.



In comparision with the IHC on the left, the same paraffin-embedded Human breast peptide and then with D261674(Anti-FAT1 Antibody) at dilution 1/50.