

LAYN RABBIT PAB

Cat.#: S213626

Product Name: Anti-LAYN Rabbit Polyclonal Antibody

Synonyms:

UNIPROT ID: Q6UX15 (Gene Accession - NP_849156)

Background: Layilin is a recently cloned 55-kDa membrane-binding partner for talin (Borowsky and Hynes, 1998) that is widely expressed in different cell types and tissue extracts. It is found in peripheral ruffles of spreading cells and is recruited to membrane ruffles in cells induced to migrate in in vitro wounding experiments. Layilin colocalizes with talin in ruffles and binds to talin's 50-kDa head domain (amino acids 280-435). Other parts of talin (the 220-kDa tail fragment) can bind β -integrin cytoplasmic tails, vinculin, and F-actin and hence form an integrin-cytoskeleton linkage at sites of cell-substratum contact. Layilin's extracellular domain is homologous with the carbohydrate-recognition domains (CRD) of C-type lectins. Receptor for hyaluronate.

Immunogen: Synthetic peptide of human LAYN

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 50-100;WB: 500-2000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

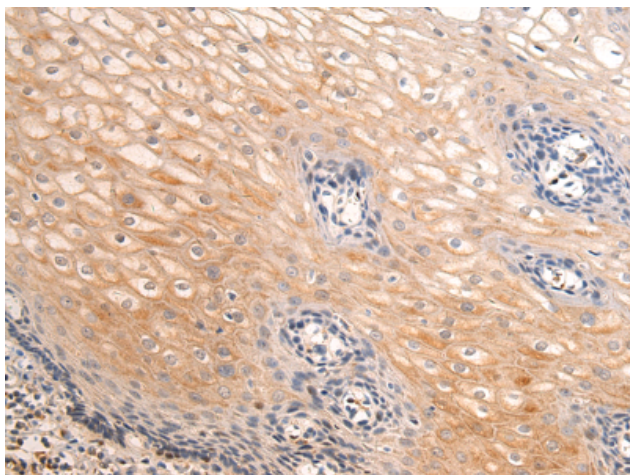
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse

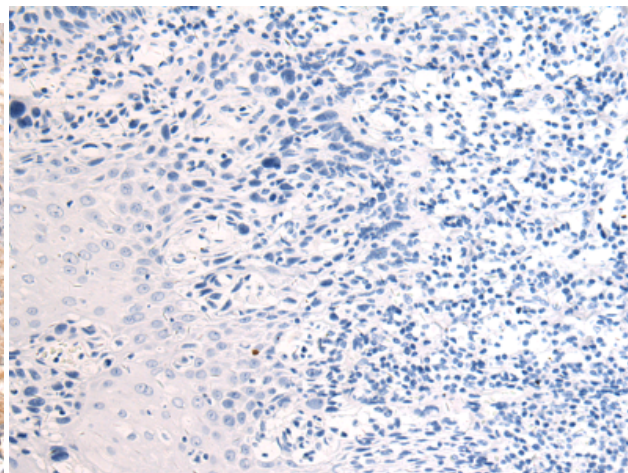
Constituents: PBS (without Mg^{2+} and Ca^{2+}), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Signal Transduction

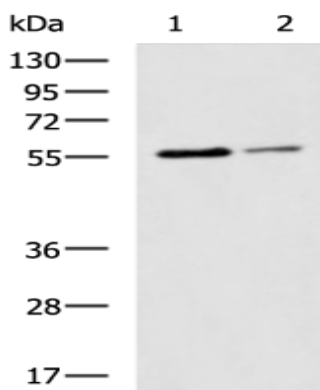
Storage & Shipping: Store at $-20^{\circ}C$. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human esophagus cancer tissue using 213626(LAYN Antibody) at a dilution of 1/50(Cell membrane).



In comparison with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with the synthetic peptide and then with 213626(Anti-LAYN Antibody) at dilution 1/50.



Gel: 8%SDS-PAGE, Lysate: 40 µg;
Lane 1-2: Jurkat and K562 cell lysates;
Primary antibody: 213626(LAYN Antibody) at dilution 1/700;
Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;
Exposure time: 2 minutes