

FN3KRP RABBIT PAB

Cat.#: S216064

Product Name: Anti-FN3KRP Rabbit Polyclonal Antibody

Synonyms: FN3KL

UNIPROT ID: Q9HA64 (Gene Accession - NP_078895)

Background: A high concentration of glucose can result in non-enzymatic oxidation of proteins by reaction of glucose and lysine residues (glycation). Proteins modified in this way are less active or functional. This gene encodes an enzyme which catalyzes the phosphorylation of psicosamines and ribulosamines compared to the neighboring gene which encodes a highly similar enzyme, fructosamine-3-kinase, which has different substrate specificity. The activity of both enzymes may result in deglycation of proteins to restore their function. Alternative splicing results in multiple transcript variants.

Immunogen: Synthetic peptide of human FN3KRP

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 50-300;WB: 500-2000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

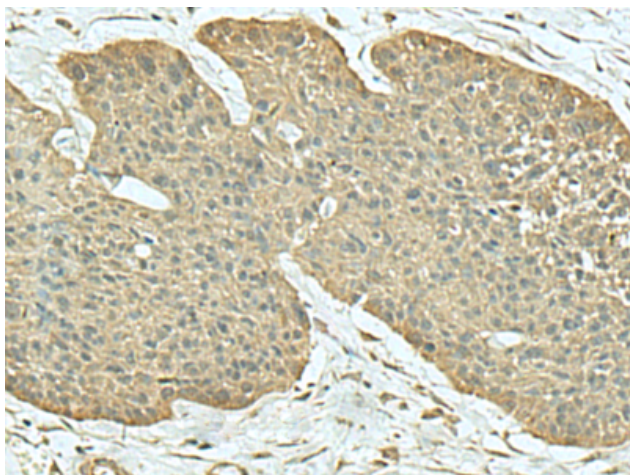
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse

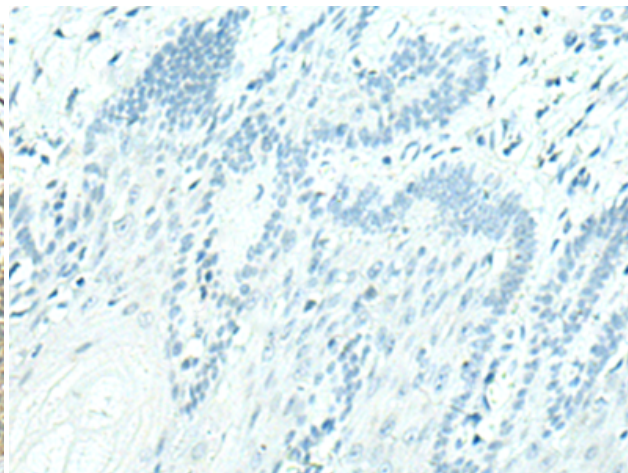
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Metabolism, Cell Biology

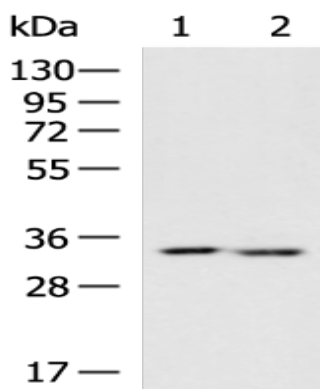
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human esophagus cancer tissue using 216064(FN3KRP Antibody) at a dilution of 1/55(Cytoplasm).



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 216064(Anti-FN3KRP Antibody) at dilution 1/55.



Gel: 8%SDS-PAGE, Lysate: 40 µg;
 Lane 1-2: Mouse brain tissue, Human cerebrum tissue lysates;
 Primary antibody: 216064(FN3KRP Antibody) at dilution 1/1000;
 Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;
 Exposure time: 90 seconds