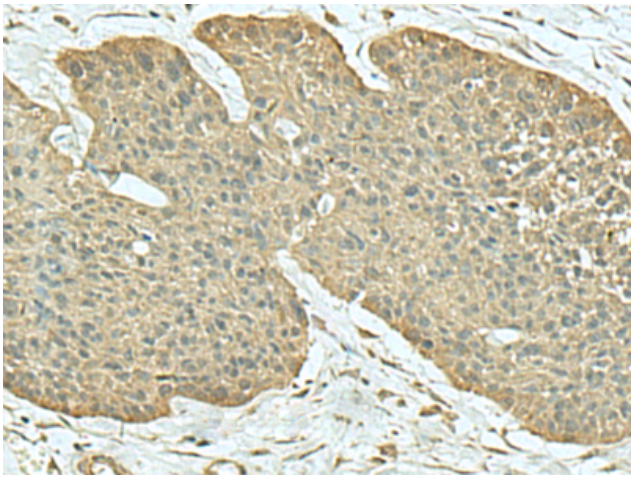
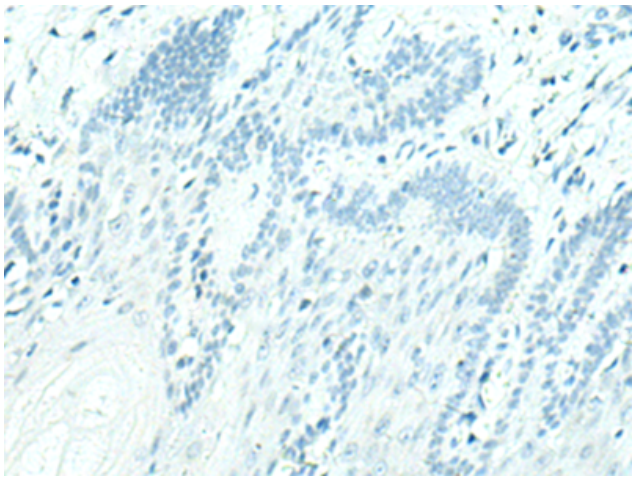
FN3KRP RABBIT PAB

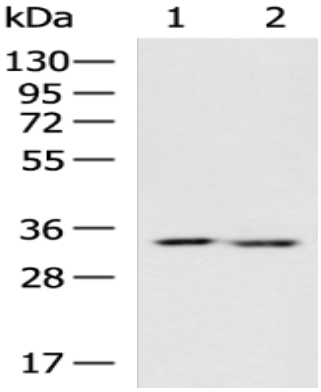
Cat.#: S216064
Product Name: Anti-FN3KRP Rabbit Polyclonal Antibody
Synonyms: FN3KL
UNIPROT ID: Q9HA64 (Gene Accession - NP_078895)
Background: A high concentration of glucose can result in non-enzymatic oxidation of proteins by reaction of glucose and lysine residues (glycation). Proteins modified in 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 comparision 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