

Product datasheet for **TA368622**

Ketosamine 3 kinase (FN3KRP) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse brain tissue, Human cerebrum tissue lysates IHC: 50-300 Positive control: Human esophagus cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human FN3KRP
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	34 kDa
Gene Name:	fructosamine 3 kinase related protein
Database Link:	Entrez Gene 79672 Human Q9HA64



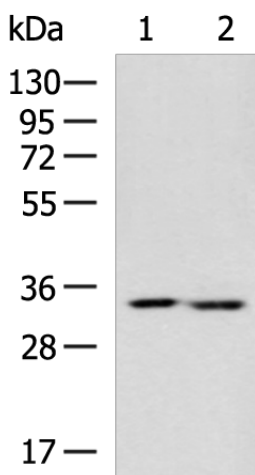
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Background:

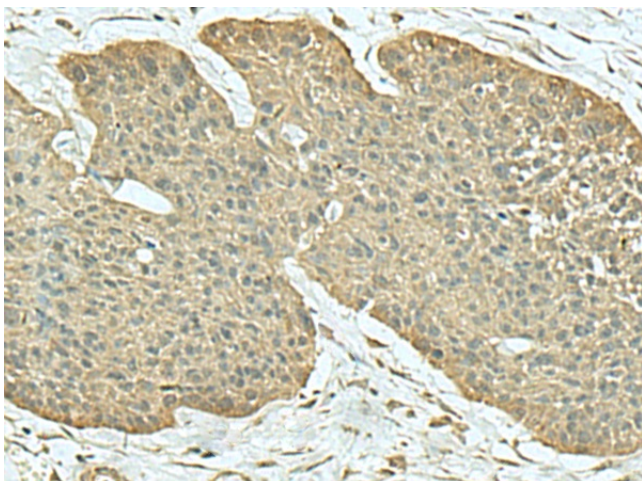
A high concentration of glucose can result in non-enzymatic oxidation of proteins by reaction of glucose and lysine residues (glycation). Proteins modified in this way are less active or functional. This gene encodes an enzyme which catalyzes the phosphorylation of psicosamines and ribulosamines compared 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.

Synonyms:

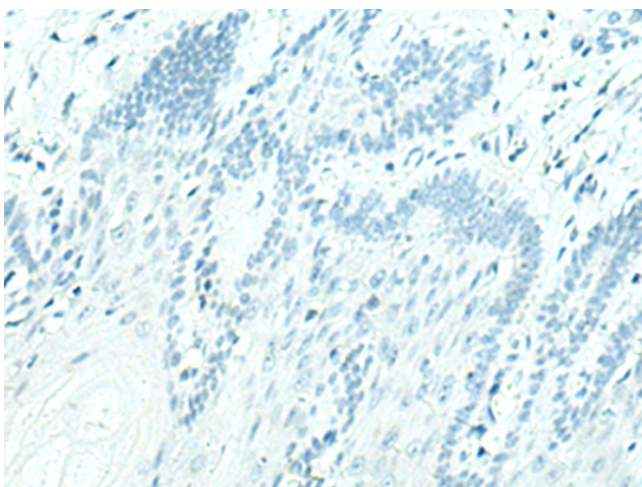
FLJ12171; FN3K-RP; FN3KL

Product images:


Gel: 8%SDS-PAGE
 Lysate: 40 µg
 Lane 1-2: Mouse brain tissue
 Human cerebrum tissue lysates
 Primary antibody: TA368622 (FN3KRP Antibody)
 at dilution 1/1000
 Secondary antibody: Goat anti rabbit IgG at
 1/5000 dilution
 Exposure time: 90 seconds



Immunohistochemistry of paraffin-embedded
 Human esophagus cancer tissue using TA368622
 (FN3KRP Antibody) at dilution 1/55 (Original
 magnification: ×200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA368622 (FN3KRP Antibody) at dilution 1/55, treated with synthetic peptide. (Original magnification: ×200)