

FN3K Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55085**Specification**

FN3K Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	O9H479
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35171

FN3K Polyclonal Antibody - Additional Information**Gene ID** 64122**Other Names**

Fructosamine-3-kinase, 2.7.1.171, Protein-psicosamine 3-kinase FN3K, Protein-ribulosamine 3-kinase FN3K, 2.7.1.172, FN3K {ECO:0000303|PubMed:14633848, ECO:0000312|HGNC:HGNC:24822}

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

FN3K Polyclonal Antibody - Protein Information**Name** FN3K {ECO:0000303|PubMed:14633848, ECO:0000312|HGNC:HGNC:24822}**Function**

Fructosamine-3-kinase involved in protein deglycation by mediating phosphorylation of fructoselysine residues on glycated proteins, to generate fructoselysine-3 phosphate (PubMed:11016445, PubMed:11522682, PubMed:11975663).

Fructoselysine-3 phosphate adducts are unstable and decompose under physiological conditions (PubMed:11522682, PubMed:11975663). Involved in intracellular deglycation in erythrocytes (PubMed:11975663). Involved in the response to oxidative stress by mediating deglycation of NFE2L2/NRF2, glycation impairing NFE2L2/NRF2 function (By similarity). Also able to phosphorylate psicosamines and ribulosamines (PubMed:14633848).

Tissue Location

Widely expressed (PubMed:11522682). Expressed in erythrocytes (PubMed:11016445).

FN3K Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FN3K Polyclonal Antibody - Images