

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

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**FN3K Polyclonal Antibody - Product Information**

Application	<b>WB, IHC-P, IHC-F, IF, ICC, E</b>
Primary Accession	<a href="#">O9H479</a>
Reactivity	<b>Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>35171</b>

**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:<a href="http://www.uniprot.org/citations/11016445" target="\_blank">11016445</a>, PubMed:<a href="http://www.uniprot.org/citations/11522682" target="\_blank">11522682</a>, PubMed:<a href="http://www.uniprot.org/citations/11975663" target="\_blank">11975663</a>).

Fructoselysine-3 phosphate adducts are unstable and decompose under physiological conditions (PubMed:<a href="http://www.uniprot.org/citations/11522682" target="\_blank">11522682</a>, PubMed:<a href="http://www.uniprot.org/citations/11975663" target="\_blank">11975663</a>).

Involved in intracellular deglycation in erythrocytes (PubMed:<a href="http://www.uniprot.org/citations/11975663" target="\_blank">11975663</a>). 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:<a href="http://www.uniprot.org/citations/14633848" target="\_blank">14633848</a>).

**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**