

FN3K Antibody (N-term)(Ascites)
Mouse Monoclonal Antibody (Mab)
Catalog # AM2193a

Specification

FN3K Antibody (N-term)(Ascites) - Product Information

Application	WB,E
Primary Accession	O9H479
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	35171

FN3K Antibody (N-term)(Ascites) - Additional Information

Gene ID 64122

Other Names

Fructosamine-3-kinase, 271-, FN3K

Target/Specificity

Purified His-tagged FN3K protein was used to produced this monoclonal antibody.

Dilution

WB~~1:1000~8000

Format

Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

FN3K Antibody (N-term)(Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

FN3K Antibody (N-term)(Ascites) - 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 psicossamines and ribulosamines (PubMed:[14633848](#)).

Tissue Location

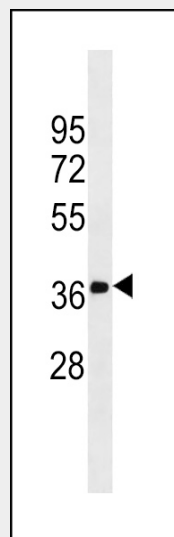
Widely expressed (PubMed:11522682). Expressed in erythrocytes (PubMed:11016445).

FN3K Antibody (N-term)(Ascites) - 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 Antibody (N-term)(Ascites) - Images



FN3K Antibody (N-term) (Cat. #AM2193a) western blot analysis in K562 cell line lysates (35µg/lane). This demonstrates the FN3K antibody detected the FN3K protein (arrow).

FN3K Antibody (N-term)(Ascites) - Background

May initiate a process leading to the deglycation of fructoselysine and of glycosylated proteins. May play a role in the phosphorylation of 1-deoxy-1-morpholinofructose (DMF), fructoselysine, fructoseglycine, fructose and glycosylated lysozyme.

FN3K Antibody (N-term)(Ascites) - References

Delpierre G., et al. Diabetes 49:1627-1634(2000).
Yu L.-R., et al. J. Proteome Res. 6:4150-4162(2007).
Burkard T.R., et al. BMC Syst. Biol. 5:17-17(2011).