

DATASHEET

FN3K Mouse Monoclonal Antibody(C4000)

CAT. NO. AMA03612

KEY FEATURES

Target	FN3K	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Supplied in crude ascites with 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Fructosamine-3-kinase involved in protein deglycation by mediating phosphorylation of fructoselysine residues on glycated proteins, to generate fructoselysine-3 phosphate . Fructoselysine-3 phosphate adducts are unstable and decompose under physiological conditions . Involved in intracellular deglycation in erythrocytes . Involved in the response to oxidative stress by mediating deglycation of NFE2L2/NRF2, glycation impairing NFE2L2/NRF2 function . Also able to phosphorylate psicosamines and ribulosamines .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:4000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

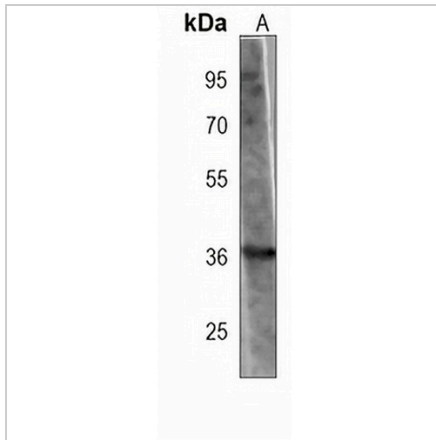
Description	Mouse monoclonal antibody to FN3K
Specificity	Recognizes endogenous levels of FN3K protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human FN3K. The exact sequence is proprietary.
Molecular Weight	Predicted: 35 kD; Observed: 37 kD
Form/Buffer	Mouse IgG1. Supplied in crude ascites with 0.01% sodium azide.
Alternative Names	Fructosamine-3-kinase
Gene Symbol	FN3K
Entrez Gene	64122(Human)
SwissProt	Q9H479(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of FN3K expression in K562 (A) whole cell lysates. (Predicted band size: 35 kD; Observed band size: 37 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.