

anti- EIF2AK3 antibody

Product Information

Catalog No.:	FNab02692
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Metabolic-stress sensing protein kinase that phosphorylates the alpha subunit of eukaryotic translation initiation factor 2(eIF-2-alpha/EIF2S1) on 'Ser-52' during the unfolded protein response(UPR) and in response to low amino acid availability. Converts phosphorylated eIF-2-alpha/EIF2S1 either in a global protein synthesis inhibitor, leading to a reduced overall utilization of amino acids, or to a translation initiation activator of specific mRNAs, such as the transcriptional activator ATF4, and hence allowing ATF4-mediated reprogramming of amino acid biosynthetic gene expression to alleviate nutrient depletion. Serves as a critical effector of unfolded protein response(UPR)-induced G1 growth arrest due to the loss of cyclin-D1(CCND1). Involved in control of mitochondrial morphology and function.

Immunogen information

Immunogen:	eukaryotic translation initiation factor 2-alpha kinase 3
Synonyms:	PEK, PERK
Observed MW:	140 kDa
UniprotID :	Q9NZJ5

Application

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Wuhan Fine Biotech Co., Ltd.

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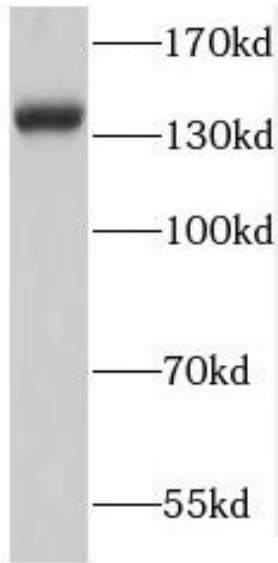
Fax: (0086)027-87800889 www.fn-test.com

Reactivity: Human

Tested Application: ELISA, IHC, WB

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200

Image:



Y79 cells were subjected to SDS PAGE followed by western blot with FNab02692(EIF2AK3 antibody) at dilution of 1:500

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