

# EIF2AK3 Antibody

Purified Mouse Monoclonal Antibody  
Catalog # AO1467a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q9NZJ5</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone Names</b>	5G5
<b>Isotype</b>	IgG1
<b>Calculated MW</b>	125216 Da
<b>Description</b>	The protein encoded by this gene phosphorylates the alpha subunit of eukaryotic translation-initiation factor 2 (EIF2), leading to its inactivation, and thus to a rapid reduction of translational initiation and repression of global protein synthesis. It is a type I membrane protein located in the endoplasmic reticulum (ER), where it is induced by ER stress caused by malformed proteins. Mutations in this gene are associated with Wolcott-Rallison syndrome.
<b>Immunogen</b>	Purified recombinant fragment of human EIF2AK3 expressed in E. Coli.
<b>Formulation</b>	Ascitic fluid containing 0.03% sodium azide.

## Additional Information

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<b>Other Names</b>	Eukaryotic translation initiation factor 2-alpha kinase 3, 2.7.11.1, PRKR-like endoplasmic reticulum kinase, Pancreatic eIF2-alpha kinase, HsPEK, EIF2AK3, PEK, PERK
<b>Dilution</b>	WB~~1/500 - 1/2000 E~~N/A
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	EIF2AK3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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## References

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1. Autophagy. 2008 Apr 1;4(3):364-7.
2. J Biol Chem. 2008 Jun 20;283(25):17020-9.
3. Hum Mol Genet. 2008

## Images

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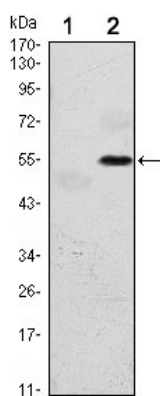


Figure 1: Western blot analysis using EIF2AK3 mAb against HEK293 (1) and EIF2AK3(AA: 929-1116)-hIgGfc transfected HEK293 (2) cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.