

Product datasheet for **AM06529SU-N**

PERK (EIF2AK3) Mouse Monoclonal Antibody [Clone ID: 5G5]

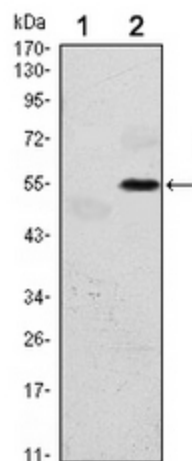
Product data:

Product Type:	Primary Antibodies
Clone Name:	5G5
Applications:	ELISA, WB
Recommended Dilution:	ELISA: 1/10000. Western Blot: 1/500 - 1/2000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human EIF2AK3 expressed in E. Coli.
Specificity:	Recognizes EIF2AK3
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	125 kDa
Gene Name:	eukaryotic translation initiation factor 2 alpha kinase 3
Database Link:	Entrez Gene 9451 Human Q9NZJ5
Background:	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.
Synonyms:	PEK, PERK, HsPEK



[View online »](#)

Product images:



Western blot analysis using EIF2AK3 antibody Cat.-No AM06529SU-N against HEK293 (1) and EIF2AK3 (AA: 929-1116)-hlgGfc transfected HEK293 (2) cell lysate.