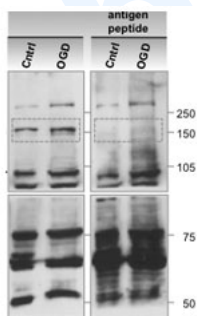


## Rabbit polyclonal antibody to mouse PERK (phosphorylated and non phosphorylated): Whole serum

<b>Catalogue No.:</b>	R-1333-100
<b>Description:</b>	PERK (PKR-like ER kinase) is a single-pass type I ER membrane protein with a stress-sensing luminal domain connected by a transmembrane segment to a cytoplasmic-kinase domain.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 uL
<b>Antigen:</b>	A recombinant peptide from mouse PERK.
<b>Other Names:</b>	Eukaryotic translation initiation factor 2-alpha kinase 3; PRKR-like endoplasmic reticulum kinase; Pancreatic eIF2-alpha kinase; Eif2ak3; Pek; Perk;
<b>Accession:</b>	Q9Z2B5 E2AK3_MOUSE;
<b>Produced in:</b>	Rabbit
<b>Purity:</b>	Whole serum
<b>Applications:</b>	Western Blotting (WB) and Immunoprecipitation (IP). A dilution of 1:500 is recommended for WB. A dilution of 30 uL of antibody in a total reaction mixture of 500 uL is recommended for IP. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Antibody Against:</b>	PERK (PKR-like ER kinase)
<b>Cross-reactivity:</b>	This antiserum is known to recognise both phosphorylated and non phosphorylated mouse PERK.
<b>Form:</b>	Liquid. 50% glycerol
<b>Storage:</b>	Aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
<b>Expiry Date:</b>	12 months after purchase
<b>Specific References:</b>	1. Bollo M. et al (2010) Calcineurin interacts with PERK and dephosphorylates calnexin to relieve ER stress in mammals and frogs PLoS One. 2010 Aug 5;5(8)



Western Blot using mouse cultured astrocyte extracts at rest (Cntrl) and after 60 mins of ER stress induction by oxygen glucose deprivation (OGD). The left panel membrane was probed with Rabbit polyclonal antibody to mouse PERK: Whole serum (R-1333-100). The right membrane was similarly probed in combination with the antigenic peptide used to generate the antibody. Image taken from Bollo et al (2010) Figure S4.

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