bsm-51385M **[Primary Antibody]**

EIF2AK3/PERK Mouse mAb

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DATASHEET

Host: Mouse
Isotype: IgG1
Clonality: Monoclonal
CloneNo.: 3C3
GeneID: 9451
SWISS: Q9NZJ5
Target: EIF2AK3/PERK
Purification: affinity purified by Protein G
Concentration: 1mg/ml
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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 malfolded proteins. Mutations in this gene are associated with Wolcott-Rallison syndrome. [provided by RefSeq, Jan 2010].

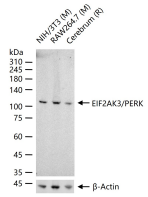
Applications: **WB** (1:500-2000)
ELISA (1:5000-10000)

Reactivity: Mouse, Rat
(predicted: Human)

Predicted MW.: 122 kDa

Subcellular Location: Endoplasmic reticulum ,Membrane

VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with EIF2AK3/PERK monoclonal antibody, unconjugated (bsm-51385M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

SELECTED CITATIONS

- **[IF=5.793]** Chunyue Wang. et al. Neuroprotective effects of verbascoside against Alzheimer’s disease via the relief of endoplasmic reticulum stress in Aβ-exposed U251 cells and APP/PS1 mice. J Neuroinflamm. 2020 Dec;17(1):1-16 WB ;Human. 33070776