Mouse Eukaryotic translation initiation factor 2-alpha kinase 3 ELISA Kit | Eif2ak3 elisa kit

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CATALOG #	REACTIVITY
AAA190424	**Mouse**

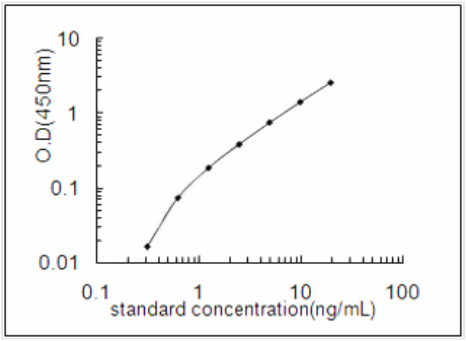
PRODUCT SYNONYMS

Eukaryotic translation initiation factor 2-alpha kinase 3; Mouse Eukaryotic translation initiation factor 2-alpha kinase 3 ELISA Kit; PRKR-like endoplasmic reticulum kinase; Pancreatic eIF2-alpha kinase; Eif2ak3; Pek; Perk; 2.7.11.1; Eif2ak3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay recognizes recombinant and natural mouseEukaryotic translation initiation factor 2-alpha kinase 3. No significant cross-reactivity or interference was observed.
Sequence Length	152
Assay Type	Sandwich
Detection Range	0.312-20 ng/mL
Sensitivity	0.161 ng/mL
Intra-Assay CV	<=6.9%
Inter-Assay CV	<=9.0%
Recovery	82%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Eif2ak3 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination ofmouseEukaryotic translation initiation factor 2-alpha kinase 3concentrations in serum, Plasma,tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Eukaryotic translation initiation factor 2-alpha kinase 3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific forEukaryotic translation initiation factor 2-alpha kinase 3 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Eukaryotic translation initiation factor 2-alpha kinase 3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Eukaryotic translation initiation factor 2-alpha kinase 3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	927028879
NCBI GeneID	13666
NCBI Accession #	NP_001300847.1
NCBI GenBank Nucleotide #	NM_001313918.1
UniProt Accession #	Q9Z2B5; Q9CTK8; Q9CWT5
Molecular Weight	124,682 Da
NCBI Official Full Name	eukaryotic translation initiation factor 2-alpha kinase 3 isoform 2
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 2 alpha kinase 3
NCBI Official Symbol	Eif2ak3
NCBI Official Synonym Symbols	Pek; Perk
NCBI Protein Information	eukaryotic translation initiation factor 2-alpha kinase 3
UniProt Protein Name	Eukaryotic translation initiation factor 2-alpha kinase 3
UniProt Gene Name	**Eif2ak3**
UniProt Synonym Gene Names	Pek; Perk
UniProt Entry Name	E2AK3_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/eif2ak3-mouse-elisa-kits/eukaryotic-translation-initiation-factor-2-alpha-kinase-3/190424