

Rat Interferon-induced, double-stranded RNA-activated protein kinase ELISA Kit | Eif2ak2 elisa kit

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CATALOG #
AAA101514

REACTIVITY
Rat

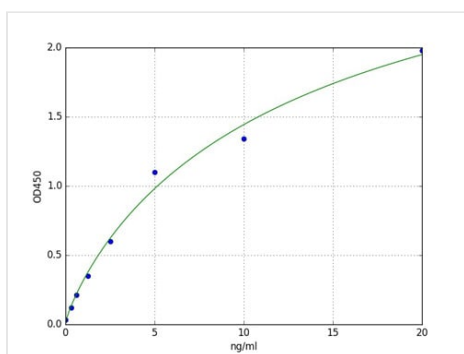
PRODUCT SYNONYMS

Interferon-induced; double-stranded RNA-activated protein kinase; Rat Interferon-induced; double-stranded RNA-activated protein kinase ELISA Kit; Eif2ak2/PRKR/PRKRA/PKR/EIF2AK1/p68 kinase/double stranded RNA activated protein kinase/eIF-2A protein kinase 2/eukaryotic translation initiation factor 2-alpha kinase 2/P1/eIF-2A protein kinase/interferon-inducible double stranded RNA dependent/interferon-inducible eIF2alpha kinase/Interferon-inducible RNA-dependent protein kinase/Protein kinase RNA-activated; Eif2ak2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	515
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat Eif2ak2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.137	0.207	0.228	0.333	0.588	0.821	1.583	1.957

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Eif2ak2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Eif2ak2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Eif2ak2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Eif2ak2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Eif2ak2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6755160
NCBI GeneID	19106
NCBI Accession #	NP_035293.1
NCBI GenBank Nucleotide #	NM_011163.4
Molecular Weight	58,280 Da
NCBI Official Full Name	interferon-induced, double-stranded RNA-activated protein kinase
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 2-alpha kinase 2
NCBI Official Symbol	Eif2ak2
NCBI Official Synonym Symbols	Pkr; Tik; Prkr; AI467567; AI747578; 2310047A08Rik; 4732414G15Rik
NCBI Protein Information	interferon-induced, double-stranded RNA-activated protein kinase
UniProt Protein Name	Interferon-induced, double-stranded RNA-activated protein kinase
UniProt Gene Name	Eif2ak2
UniProt Synonym Gene Names	Pkr; Prkr; Tik; eIF-2A protein kinase 2; PKR; Protein kinase R
UniProt Entry Name	E2AK2_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://stage.aaabiotech.com/eif2ak2-rat-elisa-kits/interferon-induced-double-stranded-rna-activated-protein-kinase/101514>