

Rat Extracellular Signal Regulated Kinase 2 ELISA Kit | ERK2 elisa kit

Rat Extracellular Signal Regulated Kinase 2 ELISA Kit

CATALOG #
AAA99726

REACTIVITY
Rat

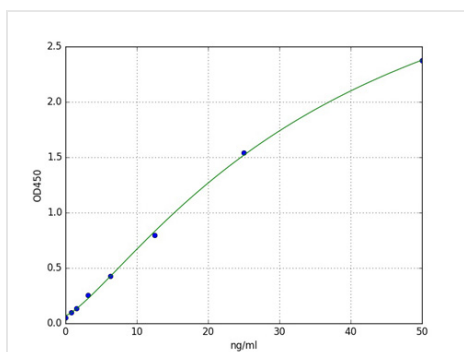
PRODUCT SYNONYMS

Extracellular Signal Regulated Kinase 2; Rat Extracellular Signal Regulated Kinase 2 ELISA Kit; ERK2/ERT1/MAPK1/MAPK2/MAPK3/p41mapk/P42MAPK/p44erk1/p44mapk/PRKM1/PRKM2/PRKM3; ERK2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	369
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.781-50ng/ml
Sensitivity	0.469ng/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 ERK2 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	0.781	1.563	3.125	6.25	12.5	25	50
Y	OD450	0.063	0.111	0.166	0.234	0.376	0.962	1.273	2.365

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ERK2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat ERK2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat ERK2 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 ERK2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat ERK2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	818946851
Molecular Weight	42,171 Da
NCBI Official Full Name	extracellular signal-regulated kinase 2
UniProt Protein Name	Mitogen-activated protein kinase
UniProt Gene Name	ERK2
UniProt Entry Name	A0A0F7G6E0_LARCR

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/erk2-rat-elisa-kits/extracellular-signal-regulated-kinase-2/99726>