

## Rat Extracellular signal-regulated kinase (ERK) ELISA Kit | ERK elisa kit

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CATALOG #  
**AAA120927**

REACTIVITY  
**Rat**

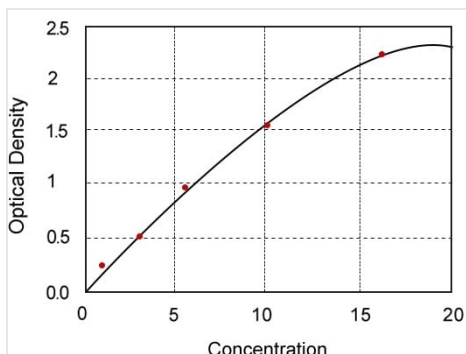
### PRODUCT SYNONYMS

Extracellular signal-regulated kinase (ERK); Rat Extracellular signal-regulated kinase (ERK) ELISA Kit; ERK elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Reactivity              | Rat                                                                      |
| Sequence Length         | 365                                                                      |
| Samples                 | Serum, plasma, cell culture supernates, cell lysates, tissue homogenates |
| Assay Type              | Quantitative Sandwich                                                    |
| Detection Range         | 0.1ng/ml - 40ng/ml                                                       |
| Sensitivity             | 0.052ng/ml                                                               |
| Intra-Assay             | CV<8%                                                                    |
| Inter-Assay             | CV<10%                                                                   |
| Preparation and Storage | Store at 2 to 8 degree C for 6 months.                                   |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for ERK elisa kit

**Intended Uses:** This sandwich kit is for the accurate quantitative detection of Rat Extracellular Signal-regulated Kinase (also known as ERK) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.

**Principles of the Assay:** This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Rat ERK antibody. ERK present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Rat ERK Antibody is added and binds to ERK in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated ERK antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Rat ERK. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

|                         |                                  |
|-------------------------|----------------------------------|
| NCBI GI #               | 1102634069                       |
| Molecular Weight        | 41,963 Da                        |
| NCBI Official Full Name | ERK                              |
| UniProt Protein Name    | Mitogen-activated protein kinase |

**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/rat-elisa-kits/extracellular-signal-regulated-kinase-erk/120927>