

# Rat Hypoxia Inducible Factor 2 Alpha (HIF2a) ELISA Kit | HIF2a elisa kit

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CATALOG #  
**AAA121206**

REACTIVITY  
**Rat**

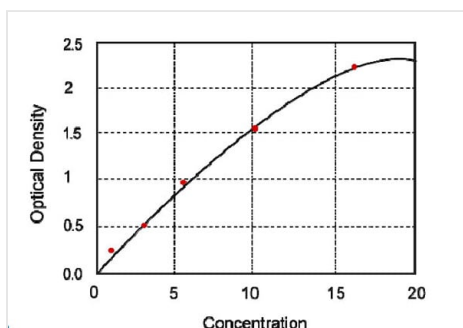
## PRODUCT SYNONYMS

Hypoxia Inducible Factor 2 Alpha (HIF2a); Rat Hypoxia Inducible Factor 2 Alpha (HIF2a) ELISA Kit; HIF2a elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                              |
| Sequence Length         | 874                                                                                                                                                                                              |
| Samples                 | Serum, plasma, cell culture supernates, cell lysates, tissue homogenates                                                                                                                         |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                            |
| Detection Range         | 15ng/L - 3000ng/L                                                                                                                                                                                |
| Sensitivity             | 7.15ng/L                                                                                                                                                                                         |
| Intra-assay Precision   | Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%                              |
| Inter-assay Precision   | Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. 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 HIF2a elisa kit

**Intended Uses:** This sandwich kit is for the accurate quantitative detection of Rat Hypoxia Inducible Factor 2 Alpha (also known as HIF2A) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.

**Principle of the Assay:** This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Rat HIF2A antibody. HIF2A present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Rat HIF2A Antibody is added and binds to HIF2A in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated HIF2A 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 HIF2A. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| NCBI GI #                        | 8953577                                     |
| NCBI GeneID                      | 29452                                       |
| UniProt Accession #              | Q9JHS1                                      |
| Molecular Weight                 | 96,718 Da                                   |
| NCBI Official Full Name          | hypoxia inducible factor 2 alpha            |
| NCBI Official Synonym Full Names | endothelial PAS domain protein 1            |
| NCBI Official Symbol             | Epas1                                       |
| NCBI Official Synonym Symbols    | HLF; Hif2a; HIF2 alpha; HIF-2 alpha         |
| NCBI Protein Information         | endothelial PAS domain-containing protein 1 |
| UniProt Protein Name             | Endothelial PAS domain-containing protein 1 |
| UniProt Gene Name                | Epas1                                       |
| UniProt Synonym Gene Names       | Hif2a; EPAS-1; HIF-2-alpha; HIF2-alpha      |

**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/hypoxia-inducible-factor-2-alpha-hif2a/121206>