

## Rat HIF3A (Hypoxia-inducible factor 3-alpha) ELISA Kit | HIF3A elisa kit

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CATALOG #  
**AAA250859**

REACTIVITY  
**Rat**

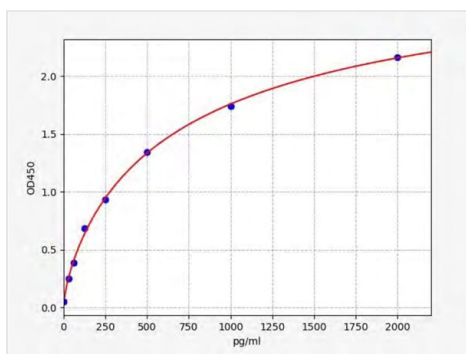
### PRODUCT SYNONYMS

HIF3A (Hypoxia-inducible factor 3-alpha); Rat HIF3A (Hypoxia-inducible factor 3-alpha) ELISA Kit; HIF3A; Hypoxia-inducible factor 3-alpha; HIF3A elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                          |
| Specificity             | Specifically recognize HIF3A, no obvious cross reaction with other analogues                                                                                 |
| Assay Type              | Sandwich                                                                                                                                                     |
| Samples                 | Serum, plasma, cell culture supernatant and other biological samples                                                                                         |
| Detection Range         | 31.25-2000pg/ml                                                                                                                                              |
| Sensitivity             | 18.75pg/ml                                                                                                                                                   |
| Intra-assay Precision   | Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.                                                    |
| Inter-assay Precision   | Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.                                        |
| 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)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for HIF3A elisa kit | Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti HIF3A antibody was pre-coated onto the 96-well plate. The biotin conjugated anti HIF3A antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with HIF3A conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of HIF3A in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value. |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 11968112                                                                                                                                                                                            |
| NCBI GeneID                      | 64345                                                                                                                                                                                               |
| NCBI Accession #                 | NP_071973.1                                                                                                                                                                                         |
| NCBI GenBank Nucleotide #        | NM_022528.2                                                                                                                                                                                         |
| UniProt Accession #              | Q9JHS2                                                                                                                                                                                              |
| Molecular Weight                 | 72,888 Da                                                                                                                                                                                           |
| NCBI Official Full Name          | hypoxia-inducible factor 3-alpha                                                                                                                                                                    |
| NCBI Official Synonym Full Names | hypoxia inducible factor 3, alpha subunit                                                                                                                                                           |
| NCBI Official Symbol             | Hif3a                                                                                                                                                                                               |
| NCBI Official Synonym Symbols    | Mop7                                                                                                                                                                                                |
| NCBI Protein Information         | hypoxia-inducible factor 3-alpha; HIF3-alpha; HIF-3 alpha; HIF-3-alpha; HIF3 alpha 1; HIF3-alpha-1; hypoxia inducible factor 3a; hypoxia inducible factor 3 alpha; hypoxia-inducible factor 3 alpha |
| UniProt Protein Name             | Hypoxia-inducible factor 3-alpha                                                                                                                                                                    |
| UniProt Gene Name                | Hif3a                                                                                                                                                                                               |
| UniProt Synonym Gene Names       | HIF-3-alpha; HIF3-alpha                                                                                                                                                                             |
| UniProt Entry Name               | HIF3A_RAT                                                                                                                                                                                           |

**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](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/hif3a-hypoxia-inducible-factor-3-alpha/250859>