

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

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CATALOG #
AAA137340

REACTIVITY
Rat

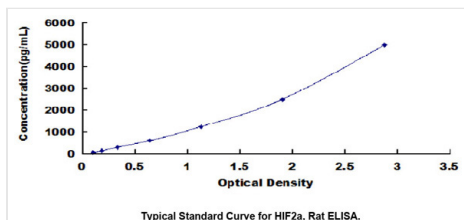
PRODUCT SYNONYMS

Hypoxia Inducible Factor 2 Alpha (HIF2a); Rat Hypoxia Inducible Factor 2 Alpha (HIF2a) ELISA Kit; EPAS1; HLF; MOP2; PASD2; BHLHE73; Endothelial PAS Domain 1; HIF-1 Alpha-Like Factor; Basic-helix-loop-helix-PAS protein MOP2; Class E basic helix-loop-helix protein 73; HIF2a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of HIF2a. No significant cross-reactivity or interference between HIF2a and analogues was observed.
Sequence Length	874
Assay Type	Quantitative Sandwich
Samples	Rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	78-5,000pg/mL
Sensitivity	< 29pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HIF2a were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level HIF2a were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HIF2a elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to HIF2a. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to HIF2a. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain HIF2a, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of HIF2a in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HIF2a in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for HIF2a elisa kit	Cardiovascular biology

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
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
UniProt Entry Name	EPAS1_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.

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Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/hypoxia-inducible-factor-2-alpha-hif2a/137340>