

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

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CATALOG #
AAA67625

REACTIVITY
Rat

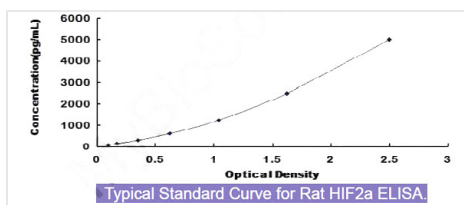
PRODUCT SYNONYMS

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 tissue homogenates, cell lysates or other biological fluids
Detection Range	78.1-5000pg/mL
Sensitivity	< 25pg/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	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HIF2a elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to HIF2a. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation 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 the in vitro quantitative measurement of HIF2a in rat tissue homogenates, cell lysates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12831205
NCBI GeneID	29452
NCBI Accession #	NP_075578.1
NCBI GenBank Nucleotide #	NM_023090.1
UniProt Accession #	Q9JHS1
Molecular Weight	96,718 Da
NCBI Official Full Name	endothelial PAS domain-containing protein 1
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://www.aaabiotech.com/rat-elisa-kits/hypoxia-inducible-factor-2-alpha-hif2a/67625>