

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

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CATALOG #
AAA186288

REACTIVITY
Rat

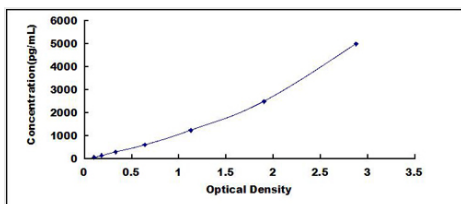
PRODUCT SYNONYMS

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 Hypoxia Inducible Factor 2 Alpha (HIF2a). No significant cross-reactivity or interference between Hypoxia Inducible Factor 2 Alpha (HIF2a) and analogues was observed.
Sequence Length	874
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	78-5000pg/mL
Sensitivity	< 29pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Hypoxia Inducible Factor 2 Alpha (HIF2a) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Hypoxia Inducible Factor 2 Alpha (HIF2a) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Hypoxia Inducible Factor 2 Alpha (HIF2a). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Hypoxia Inducible Factor 2 Alpha (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 Hypoxia Inducible Factor 2 Alpha (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 Hypoxia Inducible Factor 2 Alpha (HIF2a) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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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/186288>