

Rat Eukaryotic translation initiation factor 2 subunit 1 (EIF2S1) ELISA Kit | EIF2S1 elisa kit

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CATALOG #
AAA244546

REACTIVITY
Rat

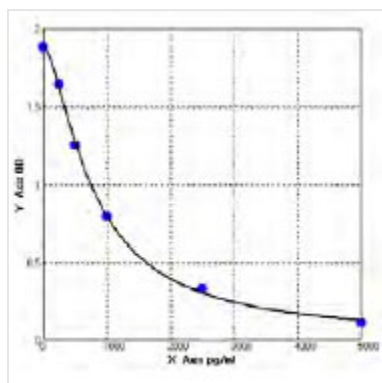
PRODUCT SYNONYMS

Eukaryotic translation initiation factor 2 subunit 1 (EIF2S1); Rat Eukaryotic translation initiation factor 2 subunit 1 (EIF2S1) ELISA Kit; EIF2S1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of EIF2S1. No significant cross-reactivity or interference between EIF2S1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between EIF2S1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EIF2S1 elisa kit	Intended Uses: This EIF2S1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat EIF2S1. This ELISA kit for research use only! Principle of the Assay: EIF2S1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-EIF2S1 antibody and an EIF2S1-HRP conjugate. The assay sample and buffer are incubated together with EIF2S1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the EIF2S1 concentration since EIF2S1 from samples and EIF2S1-HRP conjugate compete for the anti-EIF2S1 antibody binding site. Since the number of sites is limited, as more sites are occupied by EIF2S1 from the sample, fewer sites are left to bind EIF2S1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The EIF2S1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for EIF2S1 elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758256
NCBI GeneID	1965
NCBI Accession #	NP_004085.1
NCBI GenBank Nucleotide #	NM_004094.4
Molecular Weight	36,112 Da
NCBI Official Full Name	eukaryotic translation initiation factor 2 subunit 1
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa
NCBI Official Symbol	EIF2S1
NCBI Official Synonym Symbols	EIF2; EIF-2; EIF2A; EIF-2A; EIF-2alpha
NCBI Protein Information	eukaryotic translation initiation factor 2 subunit 1; eIF-2-alpha; eukaryotic translation initiation factor 2 subunit alpha
UniProt Protein Name	Eukaryotic translation initiation factor 2 subunit 1
UniProt Gene Name	EIF2S1
UniProt Synonym Gene Names	EIF2A; eIF-2-alpha; eIF-2A; eIF-2alpha
UniProt Entry Name	IF2A_HUMAN

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/eukaryotic-translation-initiation-factor-2-subunit-1-eif2s1/244546>