

Rat enolase 2 (gamma, neuronal) ELISA Kit | ENO2 elisa kit

Rat Neuron-specific enolase, NSE ELISA Kit

CATALOG #
AAA15495

REACTIVITY
Rat

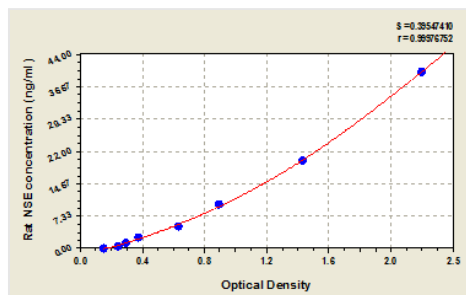
PRODUCT SYNONYMS

enolase 2 (gamma; neuronal); Rat Neuron-specific enolase; NSE ELISA Kit; NSE; 2-phospho-D-glycerate hydrolyase; enolase 2; neural enolase; neuron specific gamma enolase; neurone-specific enolase; ENO2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat NSE. No significant cross-reactivity or interference between rat NSE and analogues was observed.
Sequence Length	434
Samples	Serum, plasma, tissue homogenates.
Assay Type	Sandwich
Detection Range	0.625 ng/ml-40 ng/ml.
Sensitivity	Typically less than 0.156 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ENO2 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for NSE has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NSE present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NSE is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of NSE bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	26023949
NCBI GeneID	24334
NCBI Accession #	NP_647541.1
NCBI GenBank Nucleotide #	NM_139325.3
UniProt Accession #	P07323
Molecular Weight	47,141 Da
NCBI Official Full Name	gamma-enolase
NCBI Official Synonym Full Names	enolase 2, gamma, neuronal
NCBI Official Symbol	Eno2
NCBI Official Synonym Symbols	NSE; RNEN3
NCBI Protein Information	gamma-enolase; neural enolase; neuron-specific enolase; 2-phospho-D-glycerate hydro-lyase
UniProt Protein Name	Gamma-enolase
UniProt Gene Name	Eno2
UniProt Synonym Gene Names	Eno-2; NSE
UniProt Entry Name	ENOG_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.