

Rat Growth Associated Protein 43 ELISA Kit | GAP43 elisa kit

Rat Growth Associated Protein 43 ELISA Kit

CATALOG #
AAA83492

REACTIVITY
Rat

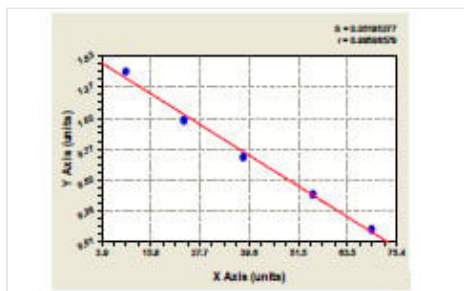
PRODUCT SYNONYMS

Growth Associated Protein 43; Rat Growth Associated Protein 43 ELISA Kit; GAP43 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	0.5-10 ng/mL
Sensitivity	0.1ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GAP43 elisa kit

Intended Uses: This GAP43 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat GAP43. This ELISA kit for research use only!

Principle of the Assay: GAP43 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-GAP43 antibody and an GAP43-HRP conjugate. The assay sample and buffer are incubated together with GAP43-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 GAP43 concentration since GAP43 from samples and GAP43-HRP conjugate compete for the anti-GAP43 antibody binding site. Since the number of sites is limited, as more sites are occupied by GAP43 from the sample, fewer sites are left to bind GAP43-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GAP43 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for GAP43 elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	119600000
NCBI GeneID	2596
Molecular Weight	28,766 Da
NCBI Official Full Name	growth associated protein 43
NCBI Official Synonym Full Names	growth associated protein 43
NCBI Official Symbol	GAP43
NCBI Official Synonym Symbols	B-50; PP46
NCBI Protein Information	neuromodulin; protein F1; neural phosphoprotein B-50; growth-associated protein 43; axonal membrane protein GAP-43; calmodulin-binding protein P-57; nerve growth-related peptide GAP43; neuron growth-associated protein 43
UniProt Protein Name	Neuromodulin
UniProt Gene Name	GAP43
UniProt Entry Name	NEUM_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://stage.aaabiotech.com/gap43-rat-elisa-kits/growth-associated-protein-43/83492>