

# Mouse 43 kDa receptor-associated protein of the synapse (RAPSN) ELISA Kit

Catalog No: #EK7802

Orders: order@signalwayantibody.com

Package Size: #EK7802-1 48T #EK7802-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Mouse 43 kDa receptor-associated protein of the synapse (RAPSN) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	CMS1D; CMS1E; MGC3597; RNF205; 43 kD receptor-associated protein of the synapse 43 kda postsynaptic protein acetylcholine receptor-associated 43 kda protein rapSyn receptor-associated protein of the
Accession No.	P12672
Uniprot	P12672
GeneID	19400;
Storage	The stability of ELISA 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.  The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

## Application Details

Detect Range:1.56-100 ng/mL

Sensitivity:0.55 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate RAPSN in samples. An antibody specific for RAPSN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyRAPSN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RAPSN is added to the wells. After washing, Streptavidin 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 RAPSN bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**43 kDa receptor-associated protein of the synapse is a protein belongs to a family of proteins that are receptor associated proteins of the synapse. It contains a conserved cAMP-dependent protein kinase phosphorylation site. It is believed to play some role in anchoring or stabilizing the nicotinic acetylcholine receptor at synaptic sites. It may link the receptor to the underlying postsynaptic cytoskeleton, possibly by direct association with actin or spectrin. Two splice variants have been identified for this gene. Thought to play some role in anchoring or stabilizing the nicotinic acetylcholine receptor at synaptic sites. It may link the receptor to the underlying postsynaptic cytoskeleton, possibly by direct association with actin or spectrin.

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Note: This product is for in vitro research use only