Growth Associated Protein 43 (GAP43) ELISA Kit for Cavy

PRODUCT OVERVIEW

Product Name	Growth Associated Protein 43 (GAP43), ELISA Kit
Full Product Name	Cavy Growth Associated Protein 43 ELISA Kit
Product Gene Name	GAP43 elisa kit
Species Reactivity	Cavy
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C
Related Product Information for GAP43 elisa kit	MBS033697 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Growth Associated Protein 43 (GAP43) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing GAP43. The ELISA analytical biochemical technique of the MBS033697 kit is based on GAP43 antibody-GAP43 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect GAP43 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, GAP43. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of GAP43 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GAP43. It may not necessarily be applicable to this product.

NCBI GI #	37781182
NCBI Accession #	AAO60065.1
NCBI Official Full Name	GAP43
Protein Family	Neuromodulin
UniProt Comments for GAP43	GAP43: This protein is associated with nerve growth. It is a major component of the motile growth cones that form the tips of elongating axons. Plays a role in axonal and dendritic filopodia induction. Identified in a complex containing FGFR4, NCAM1, CDH2, PLCG1, FRS2, SRC, SHC1, GAP43 and CTTN. Binds calmodulin with a greater affinity in the absence of Ca(2+) than in its presence. Belongs to the neuromodulin family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Cell surface Cellular Component: filopodium membrane; axon; postsynaptic density; cell junction Molecular Function: calmodulin binding Biological Process: glial cell differentiation; cell fate commitment; regulation of growth; axon choice point recognition; regulation of filopodium formation
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