



Rabbit Anti Human GAP43 monoclonal antibody, clone R39 (CABT-L0386Y)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody recognizes Human GAP43 in ELISA.
Specificity	This antibody recognizes Human GAP43 in ELISA
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	R39
Purification	Affinity purified
Conjugate	Unconjugated
Applications	This antibody recognizes Human GAP43 in ELISA. Recommended pairs for sandwich immunoassay: (Capture - Detection) CABT-L0386Y - CABT-L0387Y Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Purified, Liquid
Concentration	Lot specific
Size	100 µg

Buffer	PBS with 0.05% Sodium Azide
Preservative	0.05% Sodium Azide
Storage	Store at 2-8°C for up to one month. Store at -20°C for long-term storage. Avoid freeze/thaw cycles.

BACKGROUND

Introduction	GAP-43 (growth associated protein 43, B-50, PP46, calmodulin-binding protein P-57, neuromodulin, neuron growth-associated protein 43, protein F1 is a crucial component for regenerative response in the nervous system. It is present at high levels in neuronal growth cones during development and axonal regeneration. GAP-43 is normally produced by neurons during developmental growth and axonal regeneration, but it is also expressed in specific regions of the normal adult nervous system. The neuron-specific Elav/Hu family member, HuD, interacts with and stabilizes GAP-43 mRNA in developing neurons and leads to increased levels of GAP-43 protein. Heterozygous GAP-43 knockout mice with GAP-43 levels reduced by one-half display significant memory impairments in cued conditioning or on tests of nociceptive or auditory perception.
Keywords	Axonal membrane protein GAP 43;Axonal membrane protein GAP-43;B 50;Calmodulin binding protein P 57;F1;GAP 43;GAP43;Growth Associated Protein 43;Growth-associated protein 43;Nerve Growth Related Peptide;Nerve growth related peptide GAP43;NEUM_HUMAN;Neural phosphoprotein B 50;Neural phosphoprotein B-50;Neuromodulin;Neuron growth associated protein 43;PP46;Protein F1;QtrA-11580;QtrA-13071 antibody