

Product datasheet for **SP1375P**

GAP43 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, IP, WB
Recommended Dilution:	Immunoprecipitation. Immunohistochemistry on frozen sections. Western Blot: 1/500 - 1/1000.
Reactivity:	Mammalian
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Purified rat GAP-43
Specificity:	This antibody recognises the protein designated GAP-43.
Formulation:	Containing 0.09% Sodium Azide State: Serum State: Liquid serum
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	growth associated protein 43
Database Link:	P17677
Background:	GAP-43 is a neuronal protein that is expressed at elevated levels during development and also during regenerative axon growth. GAP-43 (also known as neuromodulin, pp46, B-50, Protein F1 and calmodulin-binding protein P-57) is a protein of approximately 25kD that migrates on SDS-PAGE gels with an apparent size of 40-50kD. The aberrant migration is due to the unusually low abundance of hydrophobic amino acid residues. GAP43 is found tightly associated with neuronal membranes due to palmitoylation. The solubilised protein binds calmodulin, although this is reduced following protein kinase C phosphorylation of GAP-43.
Synonyms:	Neuromodulin



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