

Rabbit Anti-GAP43 Polyclonal Antibody

CPB-1156RH Rabbit(GAP43)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-GAP43 Polyclonal Antibody
Antigen Description	GAP43 encoded by this gene has been termed a 'growth' or 'plasticity' protein because it is expressed at high levels in neuronal growth cones during development and axonal regeneration. This protein is considered a crucial component of an effective regenerative response in the nervous system. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
specificity	The antibody detects endogenous level of total GAP43 protein.
Target	GAP43
Immunogen	Peptide sequence around aa. 38~43 (Q-A-S-F-R) derived from Human GAP43
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	IFA, WB, IHC

PACKAGING

Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

ANTIGEN GENE INFORMATION

Gene Name	GAP43 growth associated protein 43 [Homo sapiens]
Official Symbol	GAP43
Synonyms	GAP43; growth associated protein 43; neuromodulin; axonal membrane protein GAP 43; B 50; calmodulin binding protein P 57; nerve growth related peptide GAP43; neural phosphoprotein B 50; neuron growth associated protein 43; PP46; 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; B-50;
GeneID	2596
mRNA Refseq	NM_001130064
Protein Refseq	NP_001123536
MIM	162060
UniProt ID	P17677
Chromosome Location	3q21-qter
Pathway	N-cadherin signaling events, organism-specific biosystem;

Function

calmodulin binding; protein binding;