

## Rabbit Anti-GAP43 Polyclonal Antibody

CPB-806RH Rabbit(GAP43)

Lot. No. (See product label)

### PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit Anti-GAP43 Polyclonal Antibody
<b>Antigen Description</b>	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.
<b>specificity</b>	The antibody detects endogenous level of GAP43 only when phosphorylated at Ser41.
<b>Target</b>	GAP43
<b>Immunogen</b>	Peptide sequence around phosphorylation site of Ser41 (Q-A-S(p)-F-R) derived from Human GAP43.
<b>Host</b>	Rabbit
<b>Species</b>	Human
<b>Cross Reactivity</b>	Human; Mouse; Rat
<b>conjugation</b>	N/A
<b>Applications</b>	IFA

### PACKAGING

<b>Format</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage</b>	Store at -20°C/ 1year

### ANTIGEN GENE INFORMATION

<b>Gene Name</b>	<a href="#">GAP43 growth associated protein 43 [ Homo sapiens ]</a>
<b>Official Symbol</b>	GAP43
<b>Synonyms</b>	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;
<b>GeneID</b>	<a href="#">2596</a>
<b>mRNA Refseq</b>	<a href="#">NM_001130064</a>
<b>Protein Refseq</b>	<a href="#">NP_001123536</a>
<b>MIM</b>	<a href="#">162060</a>
<b>UniProt ID</b>	P17677
<b>Chromosome Location</b>	3q21-qter
<b>Pathway</b>	N-cadherin signaling events, organism-specific biosystem;

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**Function**

calmodulin binding; protein binding;