



# Magic™ Anti-GAP43 (Phospho S41) polyclonal antibody (CPBT-66632RG)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	This product is specific for Growth Associated Peptide 43 (GAP-43), when phosphorylated at serine 41. GAP-43 is expressed in neuronal growth cones during development and during axonal regeneration and is phosphorylated at Ser41 by protein kinase C. Western Blotting detects a band of approximately 50kDa in rat cortex lysates.
<b>Specificity</b>	GAP43
<b>Target</b>	GAP43
<b>Immunogen</b>	Synthetic phosphopeptide corresponding to an amino acid sequence within GAP-43 which
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Rat, Bovine, Chicken, Dog, Human, Monkey, Mouse, Xenopus, Zebrafish
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Purified IgG - liquid
<b>Size</b>	100 µl
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

# GENE INFORMATION

Gene Name	<a href="#">GAP43 growth associated protein 43 [ Homo sapiens (human) ]</a>
Official Symbol	GAP43
Synonyms	GAP43; growth associated protein 43; B-50; PP46; neuromodulin; 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-associa
Entrez Gene ID	<a href="#">2596</a>
Protein Refseq	<a href="#">NP_001123536</a>
UniProt ID	P17677
Chromosome Location	3q13.31
Pathway	Glial Cell Differentiation; N-cadherin signaling events; Spinal Cord Injury;
Function	calmodulin binding; protein binding;