



# GAP-43 (phospho Ser41) rabbit pAb

Cat No.:ES5456

For research use only

## Overview

|                                 |   |
|---------------------------------|---|
| <b>Product Name</b>             | GAP-43 (phospho Ser41) rabbit pAb   |
| <b>Host species</b>             | Rabbit  |
| <b>Applications</b>             | IF;ELISA  |
| <b>Species Cross-Reactivity</b> | Human;Mouse;Rat   |
| <b>Recommended dilutions</b>    | Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.   |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from human GAP43 around the phosphorylation site of Ser41. AA range:8-57   |
| <b>Specificity</b>              | Phospho-GAP-43 (S41) Polyclonal Antibody detects endogenous levels of GAP-43 protein only when phosphorylated at S41.   |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.  |
| <b>Protein Name</b>             | Neuromodulin  |
| <b>Gene Name</b>                | GAP43   |
| <b>Cellular localization</b>    | Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . Cell projection, growth cone membrane ; Peripheral membrane protein ; Cytoplasmic side . Cell junction, synapse . Cell projection, filopodium membrane ; Peripheral membrane protein . Perikar |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.   |
| <b>Clonality</b>                | Polyclonal  |
| <b>Concentration</b>            | 1 mg/ml   |
| <b>Observed band</b>            |   |
| <b>Human Gene ID</b>            | 2596  |
| <b>Human Swiss-Prot Number</b>  | P17677  |
| <b>Alternative Names</b>        | GAP43; Neuromodulin; Axonal membrane protein GAP-43; Growth-associated protein 43; Neural   |

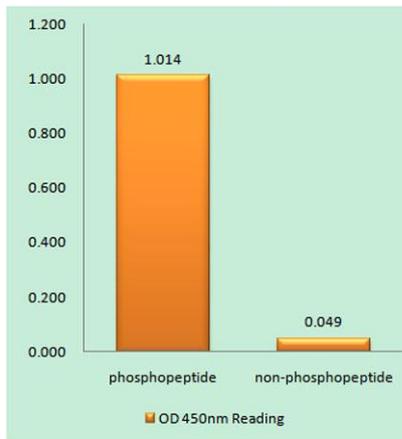




## Background

phosphoprotein B-50; pp46

The protein 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. [provided by RefSeq, Jul 2008],



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using GAP43 (Phospho-Ser41) Antibody

Immunofluorescence analysis of MCF-7 cells, using GAP43 (Phospho-Ser41) Antibody. The picture on the right is blocked with the phospho peptide.

