GAP43(Phospho-Ser41) Antibody

Catalog No: #11281

Package Size: #11281-1 50ul #11281-2 100ul #11281-4 25ul

Overview

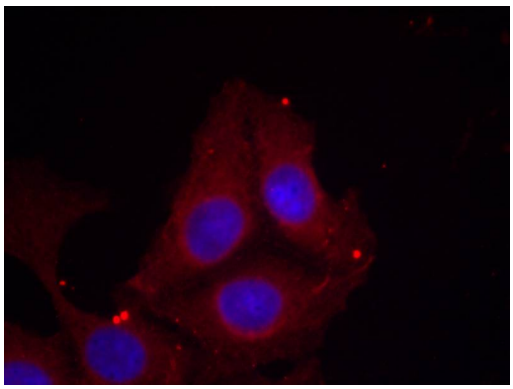
Product Name	GAP43(Phospho-Ser41) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	IF
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	GAP43
Modification	Phospho-Ser41
Alternative Names	B-50; BASP2; NEUM; PP46; axonal membrane protein GAP-43

Application Details

Predicted MW: 43kd

Immunofluorescence: 1:100~1:200

Images



Immunofluorescence staining of methanol-fixed Hela cells using GAP43(Phospho-Ser41) Antibody #11281.

Descriptions

Immunogen	Peptide sequence around phosphorylation site of Ser41 (Q-A-S(p)-F-R) derived from Human GAP43.
Specificity	The antibody detects endogenous level of GAP43 only when phosphorylated at Ser41.
Purifiction	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Formulation	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 for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: P17677NCBI Protein: NP_001123536.1

Related Information

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.

Rachael L. Neve, et,al. (1998) J. Neurosci; 18: 7757.

Yiping Shen, et,al. (2002) J. Neurosci; 22: 239.

Chantal Gamby, et,al. (1996) J. Biol. Chem; 271: 26698.