Product Datasheet

GAP43(Ab-41) Antibody

Catalog No: #21273

Package Size: #21273-1 50ul #21273-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	GAP43(Ab-41) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total GAP43 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.38~43 (Q-A-S-F-R) derived from Human GAP43.
Target Name	GAP43
Other Names	B-50; BASP2; NEUM; PP46; axonal membrane protein GAP-43
Accession No.	Swiss-Prot: P17677NCBI Protein: NP_001123536.1
Uniprot	P17677
GeneID	2596;
Concentration	1.0mg/ml
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.

Application Details

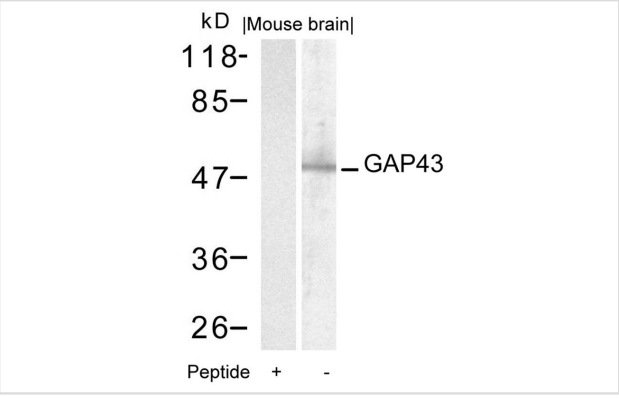
Predicted MW: 43kd

Western blotting: 1:500~1:1000

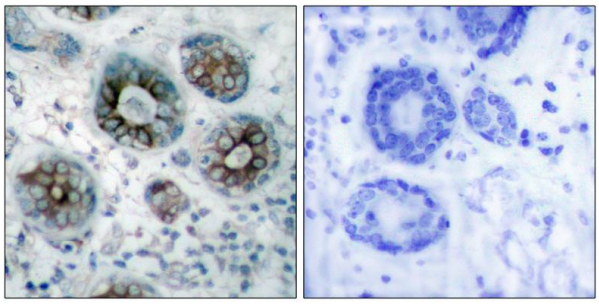
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

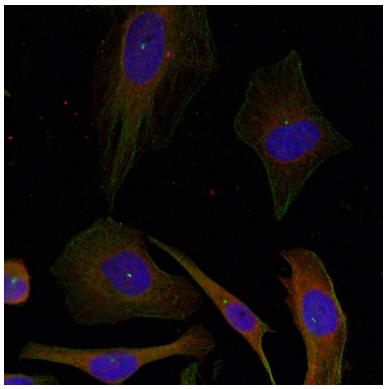
Images



Western blot analysis of extracts from mouse brain tissue using GAP43(Ab-41) Antibody #21273 and the same antibody preincubated with blocking peptide.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using GAP43(Ab-41) Antibody #21273(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed Hela cells using GAP43(Ab-41) Antibody #21273.

Background

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.

Note: This product is for in vitro research use only