

35-1604: Polyclonal Antibody to GAP43 (Ab-41)

Clonality :	Polyclonal
Application :	IHC,WB,IF
Reactivity :	Rat,Mouse,Human
Gene :	GAP43
Gene ID :	2596
Uniprot ID :	P17677
Format :	Purified
Alternative Name :	B-50, BASP2, NEUM, PP46, axonal membrane protein GAP-43
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.38~43 (Q-A-S-F-R) derived from Human GAP43.

Description

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.

Product Info

Amount :	50 µl / 100 µl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 43kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100, Immunofluorescence: 1:100~1:200

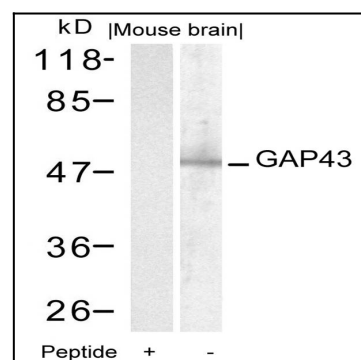


Figure 1: Western blot analysis of extracts from mouse brain tissue using GAP43(Ab-41) Antibody 35-1604 and the same antibody preincubated with blocking peptide.

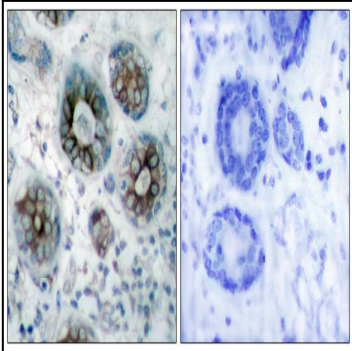


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using GAP43(Ab-41) Antibody 35-1604 (left) or the same antibody preincubated with blocking peptide(right).

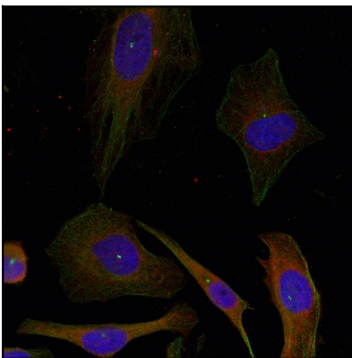


Figure 3: Immunofluorescence staining of methanol-fixed HeLa cells using GAP43(Ab-41) Antibody 35-1604 .