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## 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 Mg2+ and Ca2+), 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:  $1:500 \sim 1:1000$ , Immunohistochemistry:  $1:50 \sim 1:100$ , Immunofluorescence:  $1:100 \sim 1:200$ 

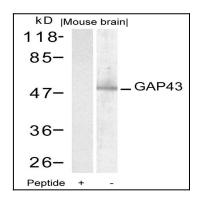


Figure 1: Western blot analysis of extracts from mouse brain tissue using GAP43(Ab-41) Antibody 35-1604 and the same antibody preincubated with blocking peptide.



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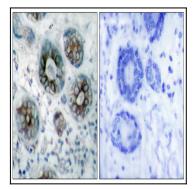


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using GAP43(Ab-41) Antibody 35-1604 (left) or the same antibody preincubated with blocking peptide(right).

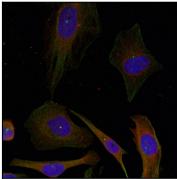


Figure 3: Immunofluorescence staining of methanol-fixed Hela cells using GAP43(Ab-41) Antibody 35-1604 .