



## GAP43 (Ab-41) Antibody

#21273

**Catalog Number:** 21273-1, 21273-2

**Amount:** 50µg/50µl, 100µg/100µl

**Swiss-Prot No. :** P17677

**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Storage/Stability:** Store at -20°C/1 year

**Immunogen:** The antiserum was produced against synthesized non-phosphopeptide derived from Human GAP43 around the phosphorylation site of Ser41 (Q-A-S<sub>P</sub>-F-R).

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

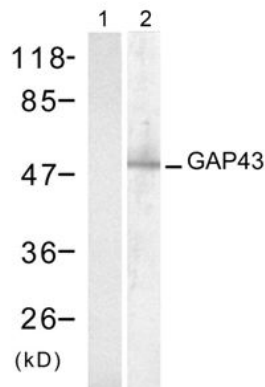
**Specificity/Sensitivity:** GAP43(Ab-41) Antibody detects endogenous levels of total GAP43 protein

**Reactivity:** Human, Mouse, Rat

### Applications:

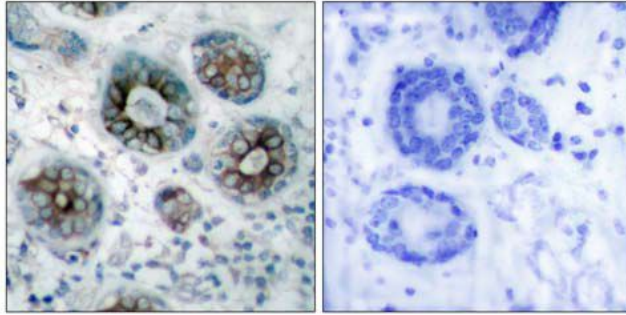
Predicted MW: 43 kd

WB: 1:500~1:1000 IHC: 1:50-1:100 IF :1:100~1:200

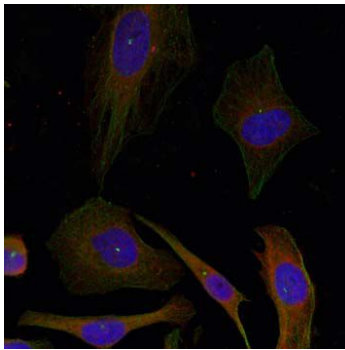


Peptide + -

Western blot analysis of extract from mouse brain tissue, using GAP43 (Ab-41) antibody (#21273, Lane 1 and 2).



Peptide - +  
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using GAP43 (Ab-41) antibody (#21273).



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

#### **References:**

- 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.