

### 34-1041: Polyclonal Antibody to GAP43

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	GAP43
<b>Gene ID :</b>	2596
<b>Uniprot ID :</b>	P17677
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Axonal membrane protein GAP-43,Growth-associated protein 43,Neural phosphoprotein B-50,pp46
<b>Isotype :</b>	Rabbit, IgG
<b>Immunogen Information :</b>	C-terminal peptide of rat and mouse GAP43, which is KEDPEADQEHA, with an N-terminal Cys added to allow chemical coupling to KLH carrier protein

#### Product Info

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Antibody is supplied as an aliquot of affinity purified antibody
<b>Storage condition :</b>	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

WB: 1:10,000 IF/ICC and IHC: 1:1,000

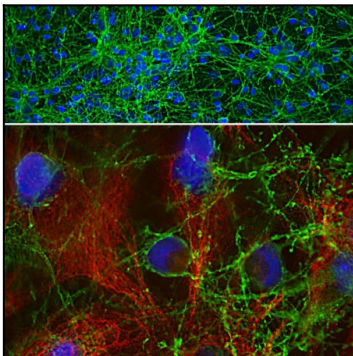


Figure-1: Immunofluorescent analysis of cortical neuron-glia cell culture from E20 rat stained with rabbit pAb to GAP43,(34-1041) , dilution 1:2,000 in green, and costained with mouse mAb to vimentin,(34-1127), dilution 1:2,000, in red. The blue is DAPI staining of nuclear DNA. GAP43 antibody labels protein expressed in the axonal membrane of neuronal cells, while vimentin antibody stains intermediate filaments in fibroblasts and other non-neuronal cells.

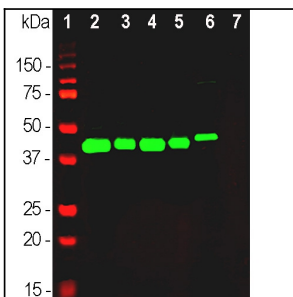


Figure-2: Western blot analysis of different tissue and cell lysates using rabbit pAb to GAP43,(34-1041), dilution 1:20,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord, [6] SH-SY5Y cells, [7] C6 cells. Single band at 43 kDa mark corresponds to GAP43 protein. The GAP43 protein is detected only in the lysates of neuronal origin. C6 cells are a rat glioma cell line and do not express GAP43 protein.