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## anti-GAP43 antibody

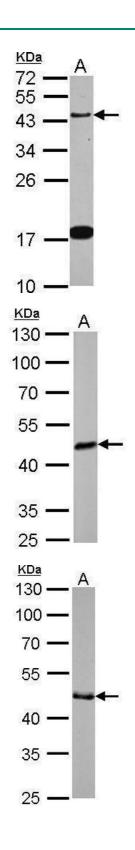
3 Images



Overview	
Quantity:	100 μL
Target:	GAP43
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GAP43 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)
Product Details	
Immunogen:	Recombinant protein encompassing a sequence within the center region of human GAP43. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to GAP43 (growth associated protein 43) GAP43 antibody
Purification:	Purified by antigen-affinity chromatography.
Target Details	
Target:	GAP43
Alternative Name:	growth associated protein 43 (GAP43 Products)

### Target Details

Background:	The protein 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.
	Cellular Localization: Cell membrane, Peripheral membrane protein, Cytoplasmic side , Cell
	projection , growth cone membrane, Peripheral membrane protein, Cytoplasmic side , Cell
	junction, synapse
Molecular Weight:	25 kDa
Gene ID:	2596
UniProt:	P17677
Application Details	
Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. Optimal dilutions/concentrations should be determined
	by the researcher. Not tested in other applications.
Comment:	Positive Control: IMR32, mouse hippocampus, rat hippocampus
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.55 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE
	which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage
	(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid
	multiple freeze-thaw cycles.



#### **Western Blotting**

Image 1. WB Image Sample (30 ug of whole cell lysate) A: IMR32 12% SDS PAGE antibody diluted at 1:1000

#### **Western Blotting**

**Image 2.** WB Image GAP43 antibody detects GAP43 protein by Western blot analysis. A. 50 µg rat brain lysate/extract 10 % SDS-PAGE GAP43 antibody, dilution: 1:1000

#### **Western Blotting**

**Image 3.** WB Image GAP43 antibody detects GAP43 protein by Western blot analysis. A. 50 μg mouse brain lysate/extract 10 % SDS-PAGE GAP43 antibody , dilution: 1:1000