For research purposes only, not for human use

Product Data Sheet

Anti-GAP43 Antibody

Catalog #	Source	Reactivity	Applications
CPA9164	Mouse	H, M, R	WB, IH

Description	Mouse monoclonal antibody to GAP43
Immunogen	Recombinant protein corresponding to human GAP43.
Purification	
Specificity	Recognizes endogenous levels of GAP43 protein.
Clonality	Monoclonal
Conjugation	
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/1000 - 1/2000), IH (1/200 - 1/500)
Gene Symbol	GAP43
Alternative Names	Neuromodulin; Axonal membrane protein GAP-43; Growth-associated protein 43; Neural phosphoprotein B-50; pp46
Entrez Gene	2596 (Human)
SwissProt	P17677 (Human)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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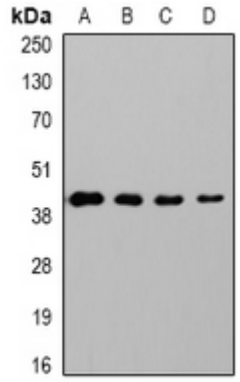
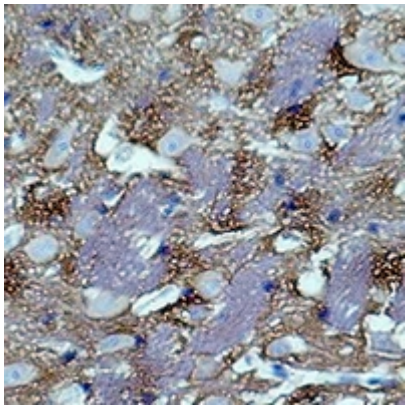


Western blot analysis of GAP43 expression in Hela (A), 293T (B), mouse brain (C), rat brain (D) whole cell lysates. (Predicted band size: 24 kD; Observed band size: 43 kD)



Immunohistochemical analysis of GAP43 staining in rat brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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