

CXCR3

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:100

Calculated MW: 46kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human CXCR3

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

GPR9; MigR; CD182; CD183; Mig-R; CKR-L2; CMKAR3; IP10-R;

Catalog #: A2939

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 2833

Isotype: IgG

Swiss Prot: P49682

Purity: Affinity purification

For research use only.

Background:

The neuronal growth-associated protein GAP43 is also known as neuromodulin, B-50, P-57, F1 and pp46. Deficiency of GAP43 in mice results in death early in the postnatal period. GAP43 is one of the main substrates for protein kinase C in the brain. GAP43 is an intracellular growth-associated protein that appears to assist neuronal pathfinding and branching during development and regeneration, and may contribute to presynaptic membrane changes in the adult, leading to the neurotransmitter release, endocytosis and synaptic vesicle recycling, long-term potentiation, spatial memory formation, and learning. The predicated molecular weight of about 25 kDa is much lower than the apparent observed molecular weight of 43 kDa on SDS-PAGE gels, and this occurs because the highly charged nature of GAP43 causes it to bind less than the average amount of SDS per amino acid, and because the protein has an elongated structure.

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