SPG11 Antibody

Catalog No: #24836

Orders: order@signalwayantibody.com
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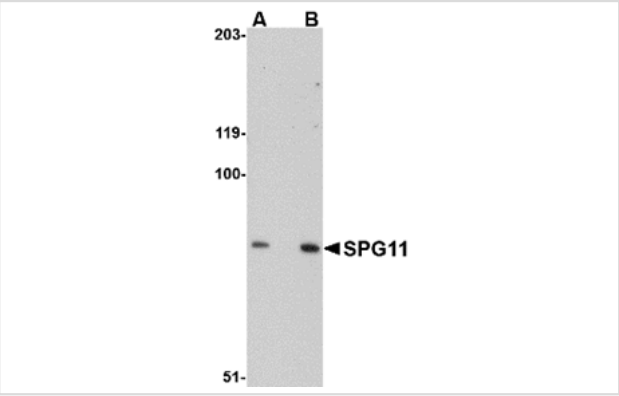
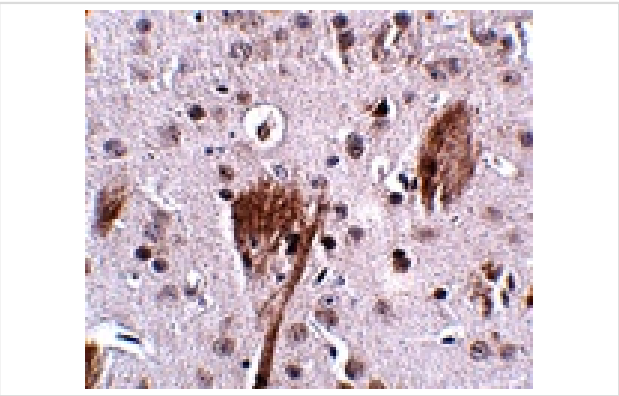
Description

Product Name	SPG11 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 15 amino acid peptide of human SPG11.
Target Name	SPG11
Other Names	Spastic paraplegia 11, colorectal carcinoma-associated protein, spatacsin
Accession No.	Swiss-Prot:Q96JI7Gene ID:80208
Uniprot	Q96JI7
GeneID	80208;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of SPG11 in mouse heart tissue lysate with SPG11 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemistry of SPG11 in mouse brain tissue with SPG11 antibody at 2.5 ug/mL.

Background

Hereditary spastic paraplegias (HSPs) are genetically and phenotypically heterogeneous disorders.? Spastic paraplegia with thinning of the corpus callosum (ARHSP-TCC) is a relatively frequent form of complicated hereditary spastic paraplegia (cHSP) in which mental retardation and muscle stiffness at onset are followed by slowly progressive paraparesis and cognitive deterioration. Mutations of the SPG11 gene encoding the spatacsin protein have been identified as a major cause of HSP-TCC. Spatacsin is a potential transmembrane protein that is phosphorylated upon DNA damage. It is expressed in all structures of the brain, with a high expression in the cerebellum. SPG11 mutations may occur more frequently in familial than sporadic forms of cHSP without TCC. Kjellin syndrome is found to be associated with mutations in not only the SPG15 gene but also SPG11 gene.? Recent studies show Parkinsonism may initiate SPG11-linked HSP TCC and that SPG11 may cause juvenile Parkinsonism.

Note: This product is for in vitro research use only