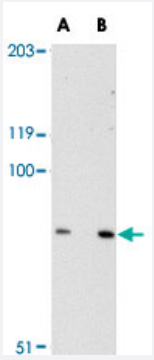
SPG11 polyclonal antibody

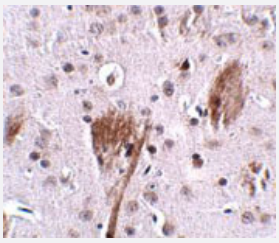
Catalog # PAB16698 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of SPG11 in mouse heart tissue lysate with SPG11 polyclonal antibody (Cat # PAB16698) at (A) 0.5 and (B) 1 ug/mL .



Immunohistochemistry

Immunohistochemical staining of mouse brain tissue with 2.5 ug/mL SPG11 polyclonal antibody (Cat # PAB16698).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SPG11.
Immunogen	A synthetic peptide corresponding to 15 amino acids near C-terminus of human SPG11.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Peptide affinity purification

Concentration	1 mg/mL
Recommend Usage	Western Blot (0.5-1 ug/mL) Immunohistochemistry (2.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

  Western blot analysis of SPG11 in mouse heart tissue lysate with SPG11 polyclonal antibody (Cat # PAB16698) at (A) 0.5 and (B) 1 ug/mL .

- Immunohistochemistry

  Immunohistochemical staining of mouse brain tissue with 2.5 ug/mL SPG11 polyclonal antibody (Cat # PAB16698).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — SPG11

Entrez GeneID	80208
Protein Accession#	AAI53880
Gene Name	SPG11
Gene Alias	DKFZp762B1512, FLJ21439, KIAA1840, SPATACSIN
Gene Description	spastic paraplegia 11 (autosomal recessive)
Omim ID	604360 610844
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a potential transmembrane protein that is phosphorylated up on DNA damage. Defects in this gene are a cause of spastic paraplegia type 11 (SPG11). Multip le transcript variants encoding different isoforms have been found for this gene. [provided by RefS eq

Other Designations	-

Publication Reference

- SPG11 mutations cause Kjellin syndrome, a hereditary spastic paraplegia with thin corpus callosum and central retinal degeneration.

  Orlen H, Melberg A, Raininko R, Kumlien E, Entesarian M, Soderberg P, Pahlman M, Darin N, Kyllerman M, Holmberg E, Engler H, Eriksson U, Dahl N.

  American Journal of Medical Genetics. Part B, Neuropsychiatric Genetics 2009 Oct; 150B(7):984.

- Point mutations and a large intragenic deletion in SPG11 in complicated spastic paraplegia without thin corpus callosum.

  Crimella C, Arnoldi A, Crippa F, Mostacciuolo ML, Boaretto F, Sironi M, D'Angelo MG, Manzoni S, Piccinini L, Turconi AC, Toscano A, Musumeci O, Benedetti S, Fazio R, Bresolin N, Daga A, Martinuzzi A, Bassi MT.

  Journal of Medical Genetics 2009 Feb; 46(5):345.

- SPG11 mutations are common in familial cases of complicated hereditary spastic paraplegia.

  Paisan-Ruiz C, Dogu O, Yilmaz A, Houlden H, Singleton A.

  Neurology 2008 Apr; 70(16 Pt 2):1384.

Disease

- Tobacco Use Disorder