



## Anti-SPAST (aa 200-304) polyclonal antibody (DPAB-DC2949)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes a member of the AAA (ATPases associated with a variety of cellular activities) protein family. Members of this protein family share an ATPase domain and have roles in diverse cellular processes including membrane trafficking, intracellular motility, organelle biogenesis, protein folding, and proteolysis. The encoded ATPase may be involved in the assembly or function of nuclear protein complexes. Two transcript variants encoding distinct isoforms have been identified for this gene. Other alternative splice variants have been described but their full length sequences have not been determined. Mutations associated with this gene cause the most frequent form of autosomal dominant spastic paraplegia 4.
<b>Immunogen</b>	SPAST (NP_055761, 200 a.a. ~ 304 a.a) partial recombinant protein with GST tag. The sequence is  PVLPFSKSQTDVYNDSTNLACRNGHLQSESGAVPKRKDPLHTSNSLPRSKTVMKTGSAG LSGHHRAPSYSGLSMVSGVKQGSGPAPTHKGTPKTNRTNKPSTP
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">SPAST spastin [ Homo sapiens (human) ]</a>
Official Symbol	SPAST
Synonyms	SPAST; spastin; FSP2; SPG4; ADPSP; spastic paraplegia 4 protein; spastic paraplegia 4 (autosomal dominant; spastin);
Entrez Gene ID	<a href="#">6683</a>
Protein Refseq	<a href="#">NP_055761</a>
UniProt ID	<a href="#">E5KRP5</a>
Chromosome Location	2p24-p21
Function	ATP binding; alpha-tubulin binding; beta-tubulin binding; microtubule binding