



# Anti-ATL1 (aa 1-100) polyclonal antibody (DPAB-DC2115)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	The protein encoded by this gene is a GTPase and a Golgi body transmembrane protein. The encoded protein can form a homotetramer and has been shown to interact with spastin and with mitogen-activated protein kinase kinase kinase 4. This protein may be involved in axonal maintenance as evidenced by the fact that defects in this gene are a cause of spastic paraplegia type 3. Three transcript variants encoding two different isoforms have been found for this gene.
<b>Immunogen</b>	SPG3A (NP_056999, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. The sequence is MAKNRRDRNSWGGFSEKTYEWSSEEEEPVKKAGPVQVLIVKDDHSFELDETALNRILLSE AVRDKEVVAVSVAGAFRKGKSFLMDFMLRYMYNQESVDWV
<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

<b>Gene Name</b>	<a href="#">ATL1 atlastin GTPase 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	ATL1
<b>Synonyms</b>	ATL1; atlastin GTPase 1; FSP1; GBP3; SPG3; HSN1D; SPG3A; AD-FSP; atlastin1; atlastin-1; GBP-3; hGBP3; GTP-binding protein 3; guanylate-binding protein 3; spastic paraplegia 3 protein A; brain-specific GTP-binding protein; guanine nucleotide-binding protein 3;
<b>Entrez Gene ID</b>	<a href="#">51062</a>
<b>Protein Refseq</b>	<a href="#">NP_001121185</a>
<b>UniProt ID</b>	<a href="#">Q53F53</a>
<b>Chromosome Location</b>	14q22.1
<b>Function</b>	GTP binding; GTPase activity; identical protein binding; protein binding