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Datasheet for ABIN6991064  
**anti-ZFYVE26 antibody (C-Term)**

### Overview

Quantity:	0.1 mg
Target:	ZFYVE26
Binding Specificity:	AA 1710-1760, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZFYVE26 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF)

### Product Details

Immunogen:	SPG15 antibody was raised against a 16 amino acid synthetic peptide near the carboxy terminus of human SPG15. The immunogen is located within amino acids 1710 - 1760 of SPG15.
Isotype:	IgG
Specificity:	Multiple isoforms of SPG15 are known to exist.
Purification:	SPG15 Antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	ZFYVE26
Alternative Name:	SPG15 ( <a href="#">ZFYVE26 Products</a> )

## Target Details

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**Background:** SPG15 Antibody: 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 in which mental retardation and muscle stiffness at onset are followed by slowly progressive paraparesis and cognitive deterioration. SPG15 is the second gene known to be responsible for ARHSP-TCC in the Italian population. Mutations in this gene are associated with autosomal recessive spastic paraplegia-15. SPG15 encodes a protein containing a FYVE zinc finger binding domain which is thought to target these proteins to membrane lipids through interaction with phospholipids in the membrane. SPG15 mRNA is widely distributed in human tissues, as well as in rat embryos, suggesting a possible role for this protein during embryonic development. SPG15 co-localizes partially with endoplasmic reticulum and endosome markers, suggesting a role in intracellular trafficking.

**Molecular Weight:** Predicted: 280 kDa  
Observed: 260 kDa

**Gene ID:** 23503

**UniProt:** [Q68DK2](#)

## Application Details

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**Application Notes:** SPG15 antibody can be used for detection of SPG15 by Western blot at 1 - 2 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in human samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Concentration:** 1 mg/mL

**Buffer:** SPG15 Antibody is supplied in PBS containing 0.02 % sodium azide.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

## Handling

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should be handled by trained staff only.

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Storage: -20 °C, 4 °C

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Storage Comment: SPG15 antibody can be stored at 4°C for three months and -20°C, stable for up to 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.