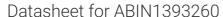
# antibodies .- online.com







# anti-ZFYVE27 antibody (AA 341-411) (Alexa Fluor 647)



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Quantity:	100 μL	
Target:	ZFYVE27	
Binding Specificity:	AA 341-411	
Reactivity:	Human, Rat, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This ZFYVE27 antibody is conjugated to Alexa Fluor 647	
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))	

#### **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from human ZFYVE27
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Rabbit
Purification:	Purified by Protein A.

### **Target Details**

Target:	ZFYVE27
Alternative Name:	ZFYVE27 (ZFYVE27 Products)

#### **Target Details**

Preservative:

Precaution of Use:

ProClin

handled by trained staff only.

Target Details	
Background:	Synonyms: Protrudin, RP11 459F3.2, SPG33, ZFY27_HUMAN, ZFYVE27, zinc finger FYVE
	domain containing 27, Zinc finger FYVE domain containing protein 27, Zinc finger FYVE
	domain-containing protein 27.
	Background: Zinc finger FYVE domain-containing protein 27 (ZFYVE27), also known as SPG33,
	is a 411 amino acid member of the FYVE-finger family of proteins. The FYVE domain is a
	cysteine-rich domain of about 70 amino acids that plays a role in the endosomal localization of
	the FYVE-finger proteins, and a majority of these proteins serve as regulators of endocytic
	membrane trafficking. ZFYVE27, a multi-pass membrane protein, is an endosomal protein that
	binds to Spastin, a protein that is primarily involved in microtubule dynamics and severing,
	vesicular trafficking and endosomal trafficking. Mutations in the gene encoding ZFTVE27 affect
	neuronal intracellular trafficking in the corticospinal tract and are thought to lead to hereditary
	spastic paraplegia (HSP), a neurodegenerative disorder, characterized by progressive paralysis
	of the legs, which is caused by impaired axonal transport. Five isoforms of ZFYVE27 exist as a
	result of alternative splicing events.
Gene ID:	118813
UniProt:	Q5T4F4
Pathways:	Neurotrophin Signaling Pathway
Application Details	
Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

## Handling

Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months