Datasheet for ABIN1411154

anti-ZFYVE27 antibody (AA 341-411) (HRP)

Go to Product page

Overview

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 HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (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

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:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
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.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months