

Datasheet for ABIN2786078  
**anti-SPG20 antibody (Middle Region)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µL
Target:	SPG20
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human SPG20
Sequence:	ASWVSWGLVK GAEITGKAIQ KGASKLRERI QPEEKPEVS PAVTKGLYIA
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against SPG20. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	SPG20
Alternative Name:	SPG20 ( <a href="#">SPG20 Products</a> )

## Target Details

Background:	<p>This gene encodes a protein containing a MIT (Microtubule Interacting and Trafficking molecule) domain, and is implicated in regulating endosomal trafficking and mitochondria function. The protein localizes to mitochondria and partially co-localizes with microtubules. Stimulation with epidermal growth factor (EGF) results in protein translocation to the plasma membrane, and the protein functions in the degradation and intracellular trafficking of EGF receptor. Multiple alternatively spliced variants, encoding the same protein, have been identified. Mutations associated with this gene cause autosomal recessive spastic paraplegia 20 (Troyer syndrome).</p> <p>Alias Symbols: KIAA0610, SPARTIN, TAHCCP1</p> <p>Protein Interaction Partner: UBC, WWOX, ITCH, PLIN3, SMURF2, ZFYVE9, APP, EPS15, SMURF1, WWP2, WWP1, SUMO2, KLC2, AIFM1, VIM, NCL, LMNB1, KPNB1, KIF5B, HSPD1, HSPA9, HSPA5, HADHA, ACSL4, ACSL3, DYNC1H1, COPA, CLTC, TUBA1A,</p> <p>Protein Size: 666</p>
Molecular Weight:	73 kDa
Gene ID:	23111
NCBI Accession:	<a href="#">NM_015087</a> , <a href="#">NP_055902</a>
UniProt:	<a href="#">Q8N0X7</a>
Pathways:	<a href="#">Regulation of Cell Size</a> , <a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 666 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



**Western Blotting**

**Image 1. WB Suggested Anti-SPG20 Antibody Titration:**  
0.2-1 ug/ml  
**Positive Control:** OVCAR-3 cell lysate

**Western Blotting**

**Image 2.** WB Suggested Anti-SPG20  
Antibody Titration: 0.2-1 µg/mL  
Positive Control: OVCAR-3 cell lysate  
SPG20 is supported by BioGPS gene expression data to be expressed in OVCAR3