

Datasheet for ABIN954908
anti-SPG20 antibody (N-Term)

3 Images

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Overview

Quantity:	0.4 mL
Target:	SPG20
Binding Specificity:	AA 24-54, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the N-terminal region (between 24-54aa) of human Spartin / SPG20
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Spartin / SPG20 at N-term.
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Purified through a Protein A column followed by peptide affinity purification

Target Details

Target:	SPG20
Alternative Name:	Spartin / SPG20 (SPG20 Products)

Target Details

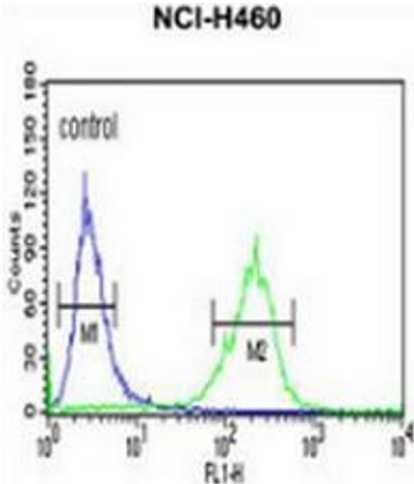
Background:	Spartin / SPG20 is a protein containing a MIT (Microtubule Interacting and Trafficking molecule) domain, and is implicated in regulating endosomal trafficking and mitochondria function. The protein localizes to mitochondria and partially co-localizes with microtubules. Stimulation with epidermal growth factor (EGF) results in protein translocation to the plasma membrane, and the protein functions in the degradation and intracellular trafficking of EGF receptor.Synonyms: KIAA0610, Spastic paraplegia 20 protein, TAHCCP1, Trans-activated by hepatitis C virus core protein 1
Gene ID:	23111
NCBI Accession:	NP_001135766
Pathways:	Regulation of Cell Size , SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

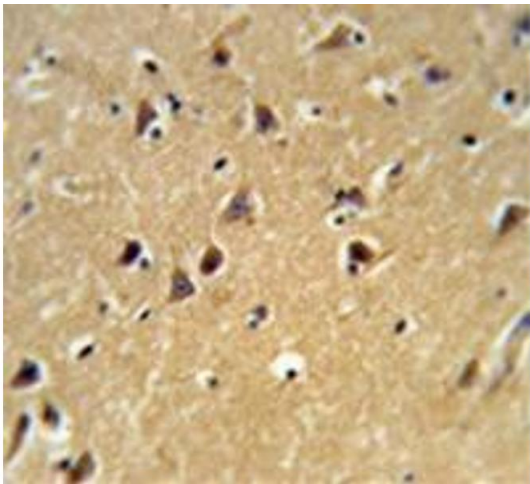
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) Sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



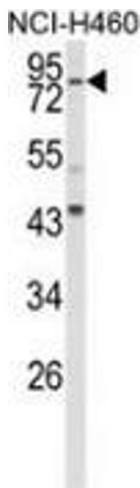
Flow Cytometry

Image 1. Flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram) using Spartin / SPG20 Antibody (N-term), followed by FITC-conjugated goat-anti-rabbit secondary antibodies.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis of human brain tissue (Formalin-fixed, Paraffin-embedded) using Spartin / SPG20 Antibody (N-term), followed by peroxidase-conjugated secondary antibody and DAB staining. This data demonstrates the use of this antibody for IHC; clinical relevance has not been evaluated.



Western Blotting

Image 3. Western blot analysis of Spartin (arrow) in NCI-H460 cell line lysates (35ug/lane) using Spartin / SPG20 Antibody (N-term).