

DATASHEET

Spartin Rabbit Polyclonal Antibody

CAT. NO. APA16964

KEY FEATURES

Target	Spartin	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Lipophagy receptor that plays an important role in lipid droplet (LD) turnover in motor neurons turnover in motor neurons . Localizes to LDs and interacts with components of the autophagy machinery, such as MAP1LC3A/C proteins to deliver LDs to autophagosomes for degradation via lipophagy . Lipid transfer protein required for lipid droplet degradation, including by lipophagy . Can bind and transfer all lipid species found in lipid droplets, from phospholipids to triglycerides and sterol esters but the direction of lipid transfer by spartin and its cargos are unknown . May be implicated in endosomal trafficking, or microtubule dynamics, or both. Participates in cytokinesis .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

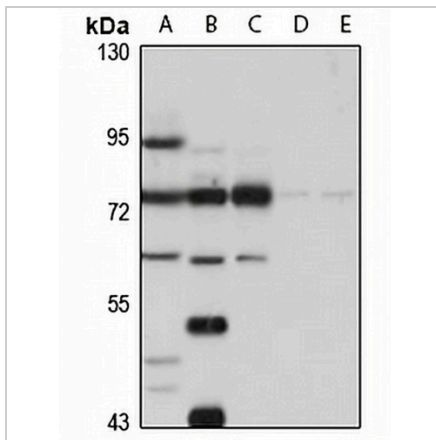
Description	Rabbit polyclonal antibody to Spartin
Specificity	Recognizes endogenous levels of Spartin protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Spartin. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 72 kD; Observed: 73 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	KIAA0610; TAHCCP1; Spartin; Spastic paraplegia 20 protein; Trans-activated by hepatitis C virus core protein 1
Gene Symbol	SPG20
Entrez Gene	23111(Human); 229285(Mouse)
SwissProt	Q8N0X7(Human); Q8R1X6(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of Spartin expression in HeLa (A), mouse heart (B), mouse brain (C), rat spleen (D), rat lung (E) whole cell lysates. (Predicted band size: 72 kD; Observed band size: 73 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.