10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SPECC1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12147c

Product Information

Application	WB, IHC-P, FC, IF, E
Primary Accession	Q69YQ0
Other Accession	Q2KN98, Q2KN93, Q2KN97, NP_001138940.1
Reactivity	Human, Mouse
Predicted	Chicken, Zebrafish
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31720
Calculated MW	124544
Antigen Region	705-733

Additional Information

Gene ID	23384
Other Names	Cytospin-A, Renal carcinoma antigen NY-REN-22, Sperm antigen with calponin homology and coiled-coil domains 1-like, SPECC1-like protein, SPECC1L, CYTSA, KIAA0376
Target/Specificity	This SPECC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 705-733 amino acids from the Central region of human SPECC1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 IF~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SPECC1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SPECC1L

Synonyms	CYTSA, KIAA0376
Function	Involved in cytokinesis and spindle organization. May play a role in actin cytoskeleton organization and microtubule stabilization and hence required for proper cell adhesion and migration.
Cellular Location	Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, spindle. Cell junction, gap junction. Note=Colocalizes with acetylated alpha- tubulin, gamma-tubulin and F-actin. Also observed in a ring around gamma-tubulin containing centrioles possibly in the microtubule organizing center

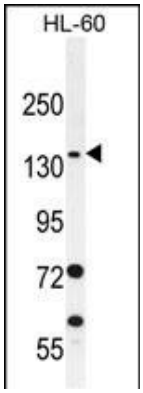
Background

CYTSAis involved in cytokinesis and spindle organization.

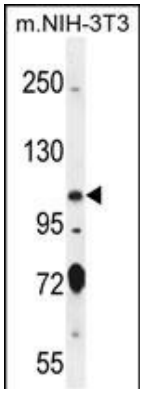
References

Scanlan, M.J., et al. Int. J. Cancer 83(4):456-464(1999)

Images

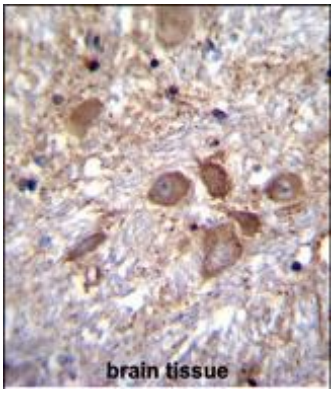


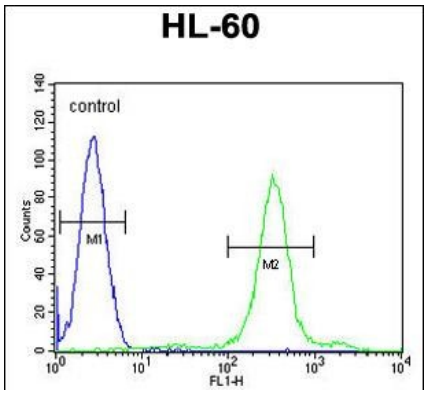
SPECC1 Antibody (Center) (Cat. #AP12147c) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the SPECC1 antibody detected the SPECC1 protein (arrow).



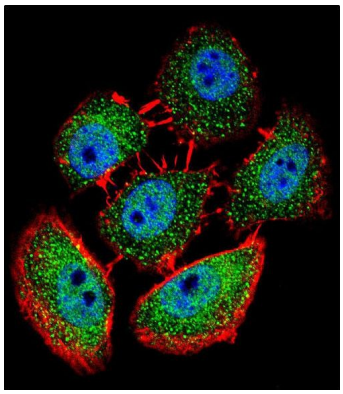
SPECC1 Antibody (Center) (Cat. #AP12147c) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the SPECC1 antibody detected the SPECC1 protein (arrow).

SPECC1 Antibody (Center) (Cat. #AP12147c)immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of SPECC1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.





SPECC1 Antibody (Center) (Cat. #AP12147c) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Confocal immunofluorescent analysis of SPECC1 Antibody (Center)(Cat#AP12147c) with U-251MG cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). Actin filaments have been labeled with Alexa Fluor555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).