

ZFYVE19 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13027b

Specification

ZFYVE19 Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	O96K21
Other Accession	NP_001070736.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	51546
Antigen Region	387-415

ZFYVE19 Antibody (C-term) - Additional Information

Gene ID 84936

Other Names

Abscission/NoCut checkpoint regulator, ANCHR, MLL partner containing FYVE domain, Zinc finger FYVE domain-containing protein 19, ZFYVE19, ANCHR, MPFYVE

Target/Specificity

This ZFYVE19 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 387-415 amino acids from the C-terminal region of human ZFYVE19.

Dilution

WB~~1:1000
IHC-P~~1:10~50

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

ZFYVE19 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ZFYVE19 Antibody (C-term) - Protein Information

Name ZFYVE19

Synonyms ANCHR, MPFYVE

Function Key regulator of abscission step in cytokinesis: part of the cytokinesis checkpoint, a process required to delay abscission to prevent both premature resolution of intercellular chromosome bridges and accumulation of DNA damage. Together with CHMP4C, required to retain abscission-competent VPS4 (VPS4A and/or VPS4B) at the midbody ring until abscission checkpoint signaling is terminated at late cytokinesis. Deactivation of AURKB results in dephosphorylation of CHMP4C followed by its dissociation from ZFYVE19/ANCHR and VPS4 and subsequent abscission.

Cellular Location

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cleavage furrow. Midbody, Midbody ring. Note=Localizes mainly on centrosomes in interphase and early mitosis. Localizes at the cleavage furrow and midbody ring in late mitosis and cytokinesis

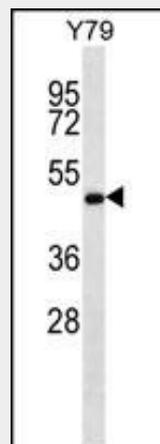
Tissue Location

Detected in brain, heart, skeletal muscle and kidney (PubMed:12618766). Expressed in the liver (at protein level) (PubMed:12618766, PubMed:32737136).

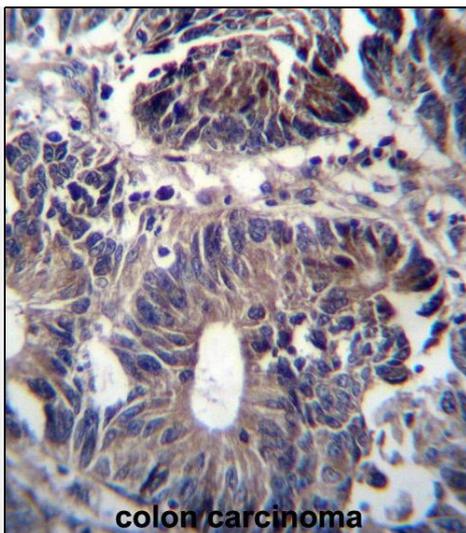
ZFYVE19 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ZFYVE19 Antibody (C-term) - Images

ZFYVE19 Antibody (C-term) (Cat. #AP13027b) western blot analysis in Y79 cell line lysates (35ug/lane). This demonstrates the ZFYVE19 antibody detected the ZFYVE19 protein (arrow).



ZFYVE19 Antibody (C-term) (Cat. #AP13027b) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ZFYVE19 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ZFYVE19 Antibody (C-term) - References

- Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)
- Matsuoka, S., et al. Science 316(5828):1160-1166(2007)
- Olsen, J.V., et al. Cell 127(3):635-648(2006)
- Chinwalla, V., et al. Oncogene 22(9):1400-1410(2003)