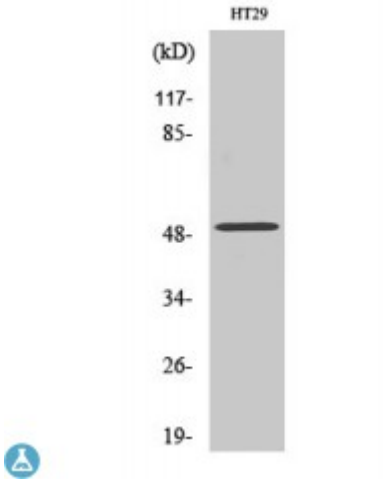
Anti-ZFYVE19 antibody



Description	Rabbit polyclonal to ZFYVE19.

Model	STJ96307
Host	Rabbit
Reactivity	Human
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human ZFYVE19
Immunogen Region	280-360 aa, Internal
Gene ID	84936
Gene Symbol	ZFYVE19
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:40000
Specificity	ZFYVE19 Polyclonal Antibody detects endogenous levels of ZFYVE19 protein.
Tissue Specificity	Detected in brain, heart, skeletal muscle, kidney and liver.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Abscission/NoCut checkpoint regulator ANCHR MLL partner containing FYVE domain Zinc finger FYVE domain-containing protein 19
Molecular Weight	50 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:20758OMIM:NA
Alternative Names	Abscission/NoCut checkpoint regulator ANCHR MLL partner containing FYVE domain Zinc finger FYVE domain-containing protein 19
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.
Sequence and Domain Family	The FYVE-type zinc finger mediates binding to phosphatidylinositol-3-phosphate (PtdIns(3)P). The MIM1-B motif mediates interaction with VPS4A.
Cellular Localization	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Cleavage furrow Midbody, Midbody ring. Localizes mainly on centrosomes in interphase and early mitosis. Localizes at the cleavage furrow and midbody ring in late mitosis and cytokinesis.