

## ZFYVE19 Antibody

Catalog No: #35156

Package Size: #35156-1 50ul #35156-2 100ul

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## Description

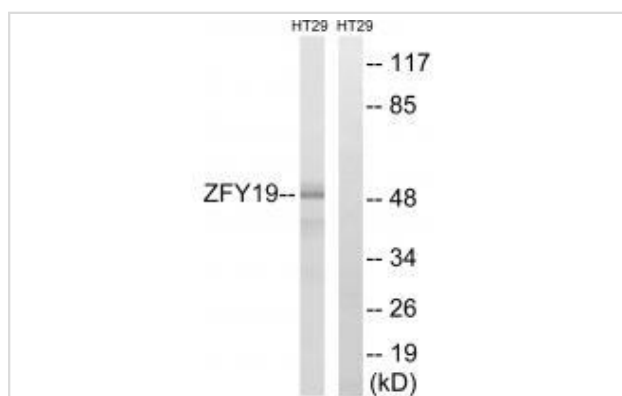
Product Name	ZFYVE19 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total ZFYVE19 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human ZFYVE19.
Target Name	ZFYVE19
Other Names	MLL partner containing FYVE domain; MPFYVE; ZFY19; Zinc finger FYVE domain-containing protein 19;
Accession No.	Swiss-Prot: Q96K21NCBI Gene ID: 84936
Uniprot	Q96K21
GeneID	84936;
SDS-PAGE MW	50kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

Western blotting: 1:500~1:3000

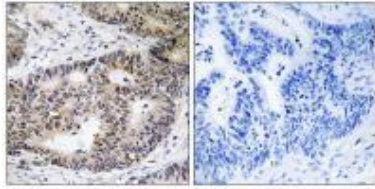
Immunohistochemistry: 1:50~1:100

## Images



Western blot analysis of extracts from HT-29 cells, using ZFYVE19 antibody #35156.

Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue using ZFYVE19 antibody #35156.



## Background

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.

Chinwalla V., *Oncogene* 22:1400-1410(2003).

Ota T., *Nat. Genet.* 36:40-45(2004).

The MGC Project Team, *Genome Res.* 14:2121-2127(2004).

Note: This product is for in vitro research use only