

# ZFYVE19 Polyclonal Antibody

Catalog # AP73125

## Product Information

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|-------------------|------------------------|
| Application       | WB, IHC-P, IF, ICC, E  |
| Primary Accession | <a href="#">Q96K21</a> |
| Reactivity        | Human, Rat, Mouse      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 51546                  |

## Additional Information

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|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 84936                                                                                                                                                                |
| Other Names        | ZFYVE19; MPFYVE; Zinc finger FYVE domain-containing protein 19; MLL partner containing FYVE domain                                                                   |
| Dilution           | WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A |
| Format             | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.                                                                                        |
| Storage Conditions | -20°C                                                                                                                                                                |

## Protein Information

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| 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).

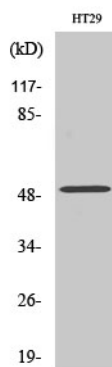
**Background**

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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.

**Images**

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Western Blot analysis of various cells using ZFYVE19 Polyclonal Antibody. Secondary antibody was diluted at 1:20000

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.