

### **ZFYVE19 Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP53381

## **Specification**

# **ZFYVE19 Antibody - Product Information**

Application WB
Primary Accession O96K21
Reactivity Human
Host Rabbit
Clonality Polyclonal
Calculated MW 52 KDa
Antigen Region 317-366

# **ZFYVE19 Antibody - Additional Information**

**Gene ID 84936** 

**Dilution** 

WB~~ 1:1000

### **Format**

Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol

## Storage

Store at -20 °C. Stable for 12 months from date of receipt

### **ZFYVE19 Antibody - 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**



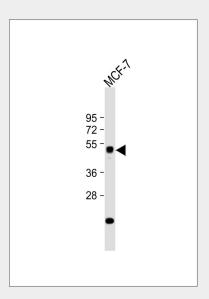
Detected in brain, heart, skeletal muscle and kidney (PubMed:12618766). Expressed in the liver (at protein level) (PubMed:12618766, PubMed:32737136).

## **ZFYVE19 Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## **ZFYVE19 Antibody - Images**



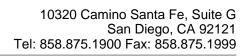
Anti-ZFYVE19 Antibody at 1:1000 dilution + MCF-7 whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution. Predicted band size : 52 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

# **ZFYVE19 Antibody - Background**

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## **ZFYVE19 Antibody - References**

Chinwalla V.,et al.Oncogene 22:1400-1410(2003).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:671-675(2006).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.





Carrascal M., et al. J. Proteome Res. 7:5167-5176(2008).