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#4897

## Ajuba Antibody

**For Research Use Only. Not for Use in Diagnostic Procedures.**

<b>Applications:</b> W, IP	<b>Reactivity:</b> H M Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 55	<b>Source/Isotype:</b> Rabbit	<b>UniProt ID:</b> #Q961F1	<b>Entrez-Gene Id:</b> 84962
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### Product Usage Information

#### Application

Western Blotting  
Immunoprecipitation

#### Dilution

1:1000  
1:50

### Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

### Specificity/Sensitivity

Ajuba Antibody detects endogenous levels of total Ajuba protein.

### Species predicted to react based on 100% sequence homology

Rat

### Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the sequence of human Ajuba. Antibodies are purified by protein A and peptide affinity chromatography.

### Background

Ajuba belongs to the Zyxin/Ajuba family, members of which include LIMD1, LPP, Trip6 and Zyxin. Three LIM domains at the carboxy-terminus characterize this family of proteins. Zyxin/Ajuba family members associate with the actin cytoskeleton, are components of both cell-cell junction adhesive complex and integrin-mediated adhesive complex, and shuttle in and out of the nucleus (1). Ajuba is involved in Rac activation during cell migration and activates Aurora A in order to commit to mitosis (2-3). Ajuba and its family members also have an amino-terminal proline-rich pre-LIM region, and Ajuba augments ERK activation in a Ras-dependent manner (4).

### Background References

- Feng, Y. and Longmore, G.D. (2005) *Mol. Cell Biol.* 25, 4010-4022.
- Pratt, S. J. et al. (2005) *J. Cell Biol.* 168, 813-824.
- Hirota, T. et al. (2003) *Cell* 114, 585-598.
- Goyal, R. et al. (1999) *Mol. Cell Biol.* 19, 4379-4389.

### Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

### Western Blot Buffer

**IMPORTANT:** For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

### Applications Key

**W:** Western Blotting **IP:** Immunoprecipitation

### Cross-Reactivity Key

**H:** Human **M:** Mouse **Mk:** Monkey

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