

## Axin-2 Rabbit monoclonal antibody

Catalog: MB66319

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Axin1 (Axis inhibition protein 1) and Axin2 are multidomain scaffold proteins that negatively regulate Wnt signaling. Axin1 interacts with APC, GSK-3 $\beta$ , Dvl, and  $\beta$ -catenin and promotes the GSK-3 $\beta$ -mediated phosphorylation and subsequent degradation of  $\beta$ -catenin. Upon stimulation of cells with Wnt, Axin1 is recruited to the membrane by phosphorylated LRP5/6, a process that is believed to be crucial for activation of Wnt signaling. In addition to its role in the Wnt signaling pathway, Axin1 forms a complex with MEKK1 and activates c-Jun amino-terminal kinase (JNK/SAPK). Axin2 (also known as Conductin or Axil) can functionally substitute for Axin1 in mice. Axin2 itself is a direct target of the Wnt signaling pathway and therefore serves to control the duration and/or intensity of Wnt signaling through a negative feedback loop.

### Product:

Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.

### Molecular Weight:

~ 95 kDa

### Swiss-Prot:

Q9Y2T1

### Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

### Applications:

WB (1/500 - 1/1000)

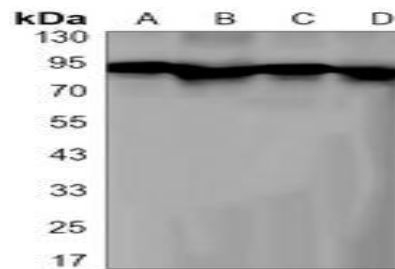
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes endogenous levels of Axin-2 protein.

### DATA:



Western blot analysis of Axin-2 expression in K562 (A), C6 (B), NIH3T3 (C), HeLa (D) whole cell lysates.

### Note:

For research use only, not for use in diagnostic procedure.

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