# TEAD1 polyclonal antibody

Catalog: BS67757 Host: Rabbit Reactivity: Human, Mouse, Rat

## BackGround:

The Hippo pathway is an important evolutionarily conserved signaling pathway that controls organ size and tumor suppression by inhibiting cell proliferation and promoting apoptosis. An integral function of the Hippo pathway is to repress the activity of Yes-associated protein (YAP), a proposed oncogene whose activity is regulated by phosphorylation and subcellular localization. When the Hippo pathway is turned on, YAP is phosphorylated by LATS1/2 kinase and sequestered in the cytoplasm by 14-3-3 protein binding, rendering YAP inactive. When the Hippo pathway is off, non-phosphorylated YAP translocates to the nucleus where it associates with various transcription factors including members of the transcriptional enhancer factor (TEF) family, also known as the TEA domain (TEAD) family (TEAD1-4). Although widely expressed in tissues, the TEAD family proteins have specific tissue and developmental distributions. YAP/TEAD complexes regulate the expression of genes involved in cell proliferation and apoptosis.

## Product:

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

## Molecular Weight:

~ 50 kDa

## Swiss-Prot:

P28347

## Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

## Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200), IF/ICC (1/50 - 1/200), ChIP (1/10 - 1/50)

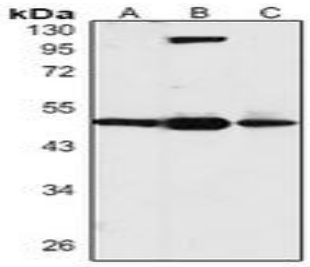
## Storage&Stability:

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

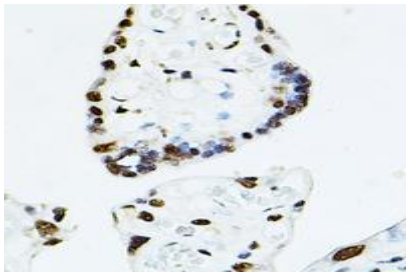
## Specificity:

Recognizes endogenous levels of TEAD1 protein.

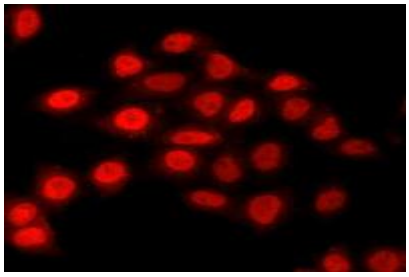
## DATA:




Western blot analysis of TEAD1 expression in Hela (A), mouse heart (B), rat heart (C) whole cell lysates.



Immunohistochemical analysis of TEAD1 staining in human placenta formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of TEAD1 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room

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temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 ℃ in a humidified chamber. Cells were washed with PBST and incubated with a AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

**Note:**

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

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