

## CHAC1 polyclonal antibody

Catalog: BS60131

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

CHAC1 (ChaC, cation transport regulator homolog 1 (E. coli)) is a 264 amino acid cytoplasmic protein that belongs to the ChaC family. Induced by chemical activators of the unfolded protein response (UPR) pathway, including DTT, tunicamycin and thapsigargin, CHAC1 is a pro-apoptotic member of this pathway and may mediate the pro-apoptotic effects of the ATF4-ATF3-DDIT3/CHOP cascade. Overexpression of CHAC1 may lead to an increase in apoptosis, while suppression of CHAC1 results in subdued apoptosis. Existing as two alternatively spliced isoforms, the gene encoding CHAC1 maps to human chromosome 15q15.1. Encoding more than 700 genes, chromosome 15 is made up of approximately 106 million base pairs and comprises about 3% of the human genome. Angelman, Prader-Willi and Marfan syndromes are associated with loss of function or deletion of genes that are encoded by chromosome 15.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 24-28 kDa

### Swiss-Prot:

Q9BUX1

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

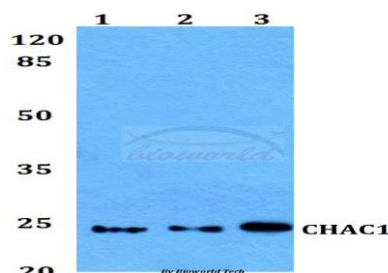
### Storage&Stability:

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

### Specificity:

CHAC1 polyclonal antibody detects endogenous levels of CHAC1 protein.

### DATA:



Western blot (WB) analysis of CHAC1 polyclonal antibody at 1:500 dilution

Lane1:Hela whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:PC12 whole cell lysate

### Note:

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

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