

# PIPPIN (C-12): sc-86788



The Power to Question

## BACKGROUND

PIPPIN, also known as CSDC2 (cold shock domain containing C2, RNA binding), is a Y-box protein and belongs to a family of highly conserved RNA-binding transcriptional regulators. Predominantly expressed in brain cells and localizing to the nucleus and the cytoplasm, PIPPIN contains two RNA-binding motifs, namely PIP1 and PIP2, and one CSD domain. PIPPIN functions as a nucleic acid binding regulatory factor and is believed to participate in brain maturation. More specifically, PIPPIN binds to the 3'-UTR ends of the mRNAs encoding Histone H1 and Histone H3.3. This interaction requires all of the PIPPIN domains to work in concert as one functional protein. In addition, PIPPIN can be sumoylated in a thyroid hormone (T3)-dependent manner. This suggests that PIPPIN modification in response to extracellular stimuli may modulate the regulation of protein synthesis.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: CSDC2 (human) mapping to 22q13.2; Csd2 (mouse) mapping to 15 E1.

## SOURCE

PIPPIN (C-12) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the C-terminus of PIPPIN of human origin.

## RESEARCH USE

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

## PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-86788 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

PIPPIN (C-12) is recommended for detection of PIPPIN of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

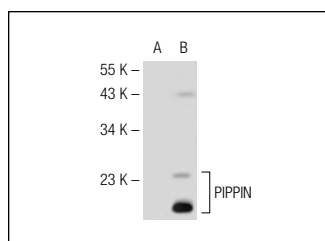
PIPPIN (C-12) is also recommended for detection of PIPPIN in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for PIPPIN siRNA (h): sc-76146, PIPPIN siRNA (m): sc-152270, PIPPIN shRNA Plasmid (h): sc-76146-SH, PIPPIN shRNA Plasmid (m): sc-152270-SH, PIPPIN shRNA (h) Lentiviral Particles: sc-76146-V and PIPPIN shRNA (m) Lentiviral Particles: sc-152270-V.

Molecular Weight of PIPPIN: 35 kDa.

Positive Controls: PIPPIN (h5): 293T Lysate: sc-177729.

## DATA



PIPPIN (C-12): sc-86788. Western blot analysis of PIPPIN expression in non-transfected: sc-117752 (A) and human PIPPIN transfected: sc-177729 (B) 293T whole cell lysates.

## STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## PROTOCOLS

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