



Rabbit Anti-CSDC2 antibody

SL11823R

Product Name:	CSDC2
Chinese Name:	冷休克结构域蛋白C2抗体
Alias:	Cold shock domain containing C2 RNA binding; Cold shock domain containing protein C2; Cold shock domain-containing protein C2; CSDC 2; Cscd2; CSDC2_HUMAN; dJ347H13.2; PIPPIN; RNA binding protein PIPPIN; RNA-binding protein PIPPIN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	17kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PIPPIN:21-120/153
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	PIPPIN is a Y-box protein (also called cold-shock (CSD) domain-containing 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.

Function:

RNA-binding factor which binds specifically to the very 3'-UTR ends of both histone H1 and H3.3 mRNAs, encompassing the polyadenylation signal. Might play a central role in the negative regulation of histone variant synthesis in the developing brain.

Subcellular Location:

Nucleus. Cytoplasm. PIPPIN-RNA complexes are located to the nucleus.

Similarity:

Contains 1 CSD (cold-shock) domain.

SWISS:

Q9Y534

Gene ID:

27254

Database links:

[Entrez Gene: 27254](#) Human

[Entrez Gene: 105859](#) Mouse

[Entrez Gene: 266600](#) Rat

[SwissProt: Q9Y534](#) Human

[SwissProt: Q91YQ3](#) Mouse

[SwissProt: Q63430](#) Rat

[Unigene: 310893](#) Human

[Unigene: 22524](#) Mouse

[Unigene: 1171](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human,

	therapeutic or diagnostic applications.
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