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ZNF346 (CT) Antibody

Catalog # ASC11287

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q9UL40
Other Accession	NP_036411, 6912440
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	32933
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	ZNF346 antibody can be used for detection of ZNF346 by Western blot at 1 - 2 g/mL. Antibody can also be used for immunohistochemistry starting at 5 g/mL. For immunofluorescence start at 20 g/mL.

Additional Information

Gene ID	23567
Other Names	Zinc finger protein 346, Just another zinc finger protein, ZNF346, JAZ
Target/Specificity	ZNF346; ZNF346 antibody is predicted to not cross-react with other ZNF family members. Three isoforms of ZNF346 are known to exist; this antibody will recognize the two longest isoforms
Reconstitution & Storage	ZNF346 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	ZNF346 (CT) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZNF346
Synonyms	JAZ
Function	Binds with low affinity to dsDNA and ssRNA, and with high affinity to dsRNA, with no detectable sequence specificity (PubMed:24521053). May bind to specific miRNA hairpins (PubMed:28431233).
Cellular Location	Nucleus, nucleolus. Cytoplasm. Note=Nuclear at steady state, primarily in the nucleolus. Shuttles between the nucleus and cytoplasm when associated with

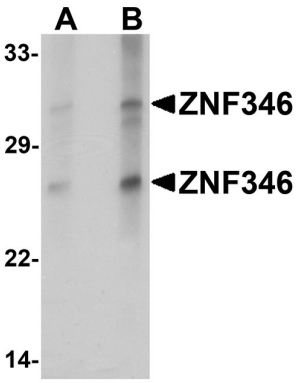
Background

ZNF346 (CT) Antibody: ZNF346, also known as JAZ (just another zinc-finger protein), is a nucleolar, zinc finger protein which preferentially binds to double-stranded (ds) RNA or RNA/DNA hybrids with high affinity via C2H2 zinc fingers. ZNF346 contains four CH-type zinc finger motifs that are connected by long (28-38) amino acid linker sequences. ZNF346 is expressed in all tissues tested and localizes to the nucleus, primarily the nucleolus. ZNF346 is exported by exportin-5 but translocates back into nuclei by a facilitated diffusion mechanism. ZNF346 interacts with ILF3 in an RNA-independent manner and may be involved in cell growth and survival.

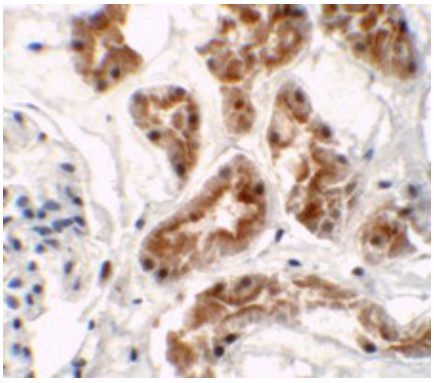
References

Rosenfeld R and Margalit H. Zinc fingers: conserved properties that can distinguish between spurious and actual DNA-binding motifs. J. Biomol. Struct. Dyn. 1993; 11:557-70.
Simpson JC, Wellenreuther R, Poustka A, et al. Systematic subcellular localization of novel proteins identified by large-scale cDNA sequencing. EMBO Rep. 2000; 1:287-92.
Yang M, May WS, and Ito T. JAZ requires the double-stranded RNA-binding zinc-finger motifs for nuclear localization. J. Biol. Chem. 1999; 274: 27399-406.
Chen T, Brownawell AM, and Macara IG. Nucleocytoplasmic shuttling of JAZ, a new cargo protein for Exportin 5. Mol. Cell. Biol. 2004; 24:6608-19.

Images

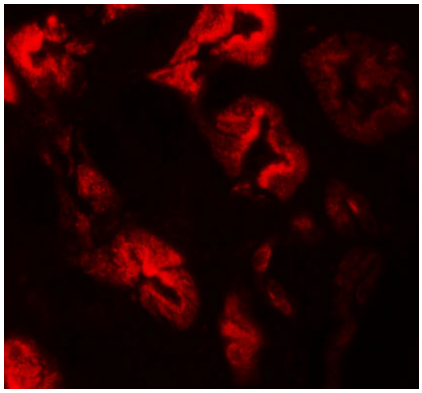


Western blot analysis of ZNF346 in human kidney tissue lysate with ZNF346 antibody at (A) 1 and (B) 2 µg/mL.



Immunohistochemistry of ZNF346 (CT) in human kidney tissue with ZNF346 (CT) antibody at 5 µg/mL.

Immunofluorescence of ZNF346 in human kidney tissue with ZNF346 antibody at 20 µg/mL.



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