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# ZNF346 (CT) Antibody

Catalog # ASC11287

## Product Information

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| **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

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| **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

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| **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 |

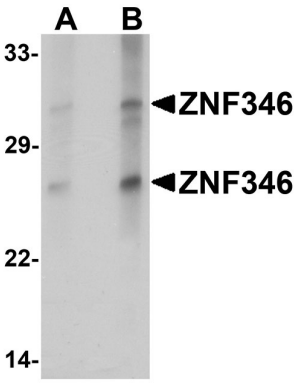
## Background

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.

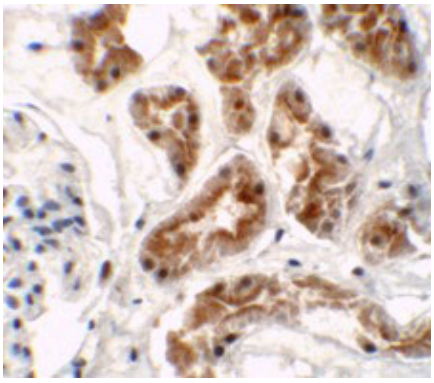
## References

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

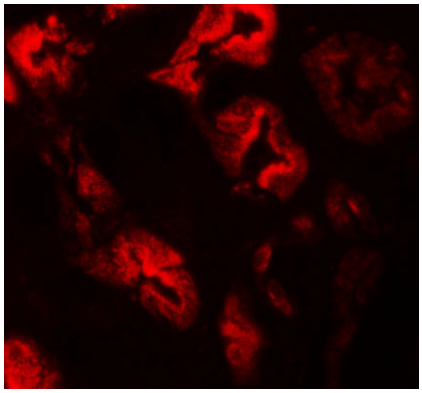



Western blot analysis of ZNF346 in human kidney tissue lysate with ZNF346 antibody at (A) 1 and (B) 2 µg/mL.



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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