

Anti-ZFP106 Antibody

Catalog # AP51622

Product Information

Application	WB
Primary Accession	Q9H2Y7
Reactivity	Human, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	208883

Additional Information

Gene ID	64397
Other Names	SH3BP3; ZFP106; ZNF474; Zinc finger protein 106; Zfp-106; Zinc finger protein 474
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ZFP106. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	ZNF106
Synonyms	SH3BP3, ZFP106, ZNF474
Function	RNA-binding protein. Specifically binds to 5'-GGGGCC-3' sequence repeats in RNA. Essential for maintenance of peripheral motor neuron and skeletal muscle function. Required for normal expression and/or alternative splicing of a number of genes in spinal cord and skeletal muscle, including the neurite outgrowth inhibitor RTN4. Also contributes to normal mitochondrial respiratory function in motor neurons, via an unknown mechanism.
Cellular Location	Nucleus, nucleolus {ECO:0000250 UniProtKB:O88466}. Nucleus speckle {ECO:0000250 UniProtKB:O88466}. Note=Colocalizes with RBM39 in nuclear speckles. Inhibition of RNA synthesis, or overexpression of KNOP1, induces translocation from nuclear speckles to the nucleolus {ECO:0000250 UniProtKB:O88466}

References

Mashima H.,et al.Submitted (NOV-1999) to the EMBL/GenBank/DDBJ databases.

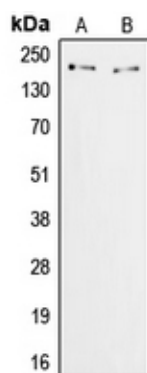
Zody M.C.,et al.Nature 440:671-675(2006).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Bechtel S.,et al.BMC Genomics 8:399-399(2007).

Olsen J.V.,et al.Cell 127:635-648(2006).

Images



Western blot analysis of ZFP106 expression in HeLa (A), COS7 (B) whole cell lysates. (Predicted band size: 208 kD; Observed band size: 209 kD)

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