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zcrb1 Rabbit pAb

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Catalog # AP57154

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8TBF4
Reactivity	Mouse
Predicted	Human, Rat, Chicken, Dog, Pig, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24592
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human zcrb1
Epitope Specificity	1-100/217
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus
SIMILARITY	Contains 1 CCHC-type zinc finger. Contains 1 RRM (RNA recognition motif) domain.
SUBUNIT	Component of the U11/U12 snRNPs that are part of the U12-type spliceosome.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Pre-mRNA splicing is catalyzed by the spliceosome. U12-type spliceosome binds U12-type pre-mRNAs and recognizes the 5' splice site and branch-point sequence. U11 and U12 snRNPs are components of U12-type spliceosome and function as a molecular bridge connecting both ends of the intron. The protein encoded by this gene contains a RNA recognition motif. It was identified as one of the protein components of U11/U12 snRNPs. This protein and many other U11/U12 snRNP proteins are highly conserved in organisms known to contain U12-type introns. These proteins have been shown to be essential for cell viability, suggesting the key roles in U12-type splicing. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	85437
Other Names	Zinc finger CCHC-type and RNA-binding motif-containing protein 1, U11/U12 small nuclear ribonucleoprotein 31 kDa protein, U11/U12 snRNP 31 kDa protein, U11/U12-31K, ZCRB1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

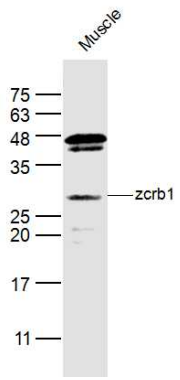
Protein Information

Name	ZCRB1
Cellular Location	Nucleus, nucleoplasm

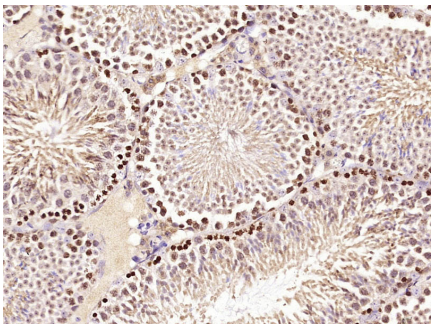
Background

Pre-mRNA splicing is catalyzed by the spliceosome. U12-type spliceosome binds U12-type pre-mRNAs and recognizes the 5' splice site and branch-point sequence. U11 and U12 snRNPs are components of U12-type spliceosome and function as a molecular bridge connecting both ends of the intron. The protein encoded by this gene contains a RNA recognition motif. It was identified as one of the protein components of U11/U12 snRNPs. This protein and many other U11/U12 snRNP proteins are highly conserved in organisms known to contain U12-type introns. These proteins have been shown to be essential for cell viability, suggesting the key roles in U12-type splicing. [provided by RefSeq, Jul 2008]

Images



Sample:
Muscle (Mouse) Lysate at 40 ug
Primary: Anti- zcrb1 (AP57154) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 25 kD
Observed band size: 25 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (zcrb1) Polyclonal Antibody, Unconjugated (AP57154) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.