

U2AF1 (D6S3Q) Rabbit mAb



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Applications: W	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 35	Source/Isotype: Rabbit IgG	UniProt ID: #Q01081	Entrez-Gene Id: 7307
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. <i>Do not aliquot the antibody.</i>				
Specificity/Sensitivity		U2AF1 (D6S3Q) Rabbit mAb recognizes endogenous levels of total U2AF1 protein.				
Species predicted to react based on 100% sequence homology		Hamster, Zebrafish, B	ovine			
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala47 of human U2AF1 protein.				
Background		(U2AF) that plays an e U2AF1 forms a hetero recognizes the 3' splice U2AF1 binds to the 3' recognizes and binds accurate spliceosome associated with a type which can be characte 9). Somatic U2AF1 mu	essential role in the sodimer with the larguse site and facilitates. Splice site consension the polyprimidine to assembly at splice of hematopoietic serized by low bloodutations frequently at splicing of genes in the polyprimidine to serize the polyprimidine to serize the polyprimidine to serize the polyprimidine to serize the polyprimidine the polypri	J2AF1) is the small (35 kl splicing of pre-mRNA to e (65 kDa) U2AF2 subun s spliceosome assembly us AG dinucleotide at the ract upstream of the 3' s sites (4-6). Mutations in tem cell disorder known counts, anemia, and enl iffect highly conserved a nvolved in cell cycle pro- esis (7,10).	generate functiona it to create the U2 ((1-3). Research stu e intron-exon boun plice site. These tw the corresponding as myelodysplasti nanced acute myelo tinc finger protein r	Il mRNA transcripts. Buxiliary factor that dies indicate that dary while U2AF2 To steps ensure U2AF1 gene are c syndrome (MDS), bid leukemia risk (7- egions that result
Background References		1. Jurica, M.S. and Moore, M.J. (2003) <i>Mol Cell</i> 12, 5-14. 2. Kielkopf, C.L. et al. (2001) <i>Cell</i> 106, 595-605. 3. Zamore, P.D. and Green, M.R. (1989) <i>Proc Natl Acad Sci U S A</i> 86, 9243-7. 4. Merendino, L. et al. (1999) <i>Nature</i> 402, 838-41. 5. Wu, S. et al. (1999) <i>Nature</i> 402, 832-5. 6. Zamore, P.D. et al. (1992) <i>Nature</i> 355, 609-14. 7. Graubert, T.A. et al. (2012) <i>Nat Genet</i> 44, 53-7. 8. Hahn, C.N. and Scott, H.S. (2012) <i>Nat Genet</i> 44, 9-10. 9. Yoshida, K. et al. (2011) <i>Nature</i> 478, 64-9. 10. Przychodzen, B. et al. (2013) <i>Blood</i> 122, 999-1006.				

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key W: Western Blotting

Cross-Reactivity Key H: Human M: Mouse R: Rat Mk: Monkey

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