

CUG-BP2 Polyclonal Antibody

Catalog NumberPA1-4130

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Published species	Not Applicable
Class	Polyclonal	Tested ApplicationsDilution *	
Type	Antibody	Western Blot (WB)	1:500
Immunogen	Synthetic peptide corresponding to the C-terminal residues V(478) Q L K R S K N D S K P Y C(490) of human ETR3.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C		

Product specific information

PA1-4130 detects ETR-3 in human and mouse samples. PA1-4130 has been successfully used in Western blot procedures. By Western blot this antibody detects a ~50 kDa protein representing ETR-3 in heart lysate. The PA1-4130 immunogen is a synthetic peptide corresponding to the C-terminal residues V(478) Q L K R S K N D S K P Y C(490) of human ETR3 (a.a. 496-508 in mouse).

Background/Target Information

CUG-BP1 and CUG-BP2 are proteins that bind specifically to (CUG)8 oligonucleotides in vitro. While CUG-BP1 has the major binding activity in normal cells, nuclear CUG-BP2 binding activity increases in DM cells. Both CUG-BP1 and CUG-BP2 are isoforms of a novel heterogeneous nuclear ribonucleoprotein (hnRNP), hNab50. CUG-BP1, an RNA CUG triplet repeat binding protein, regulates splicing and translation of various RNAs. Expansion of RNA CUG repeats in the DMPK in DM is associated with alterations in binding activity of CUG-BP1 as well as alterations in the translation of the C/EBPb transcription factor. CUG-BP1 is an important regulator of initiation from different AUG codons of C/EBPb mRNA.

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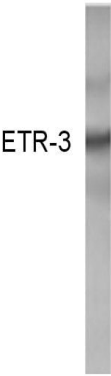
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Fig. 1

CUG-BP2 Antibody (PA1-4130) in WB
Western blot detection of ETR-3 from heart lysate using Product # PA1-4130.



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