

CELF1 Antibody

Catalog No: #48376



Package Size: #48376-1 50ul #48376-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

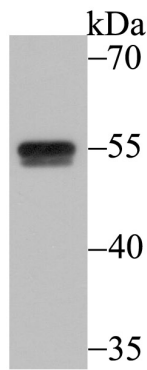
Description

Product Name	CELF1 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	7A1
Purification	Protein affinity purified
Applications	IHC, WB
Species Reactivity	Hu
Immunogen Description	Recombinant protein within human CELF1 aa 1-180.
Other Names	50 kDa Nuclear polyadenylated RNA binding protein antibody 50 kDa nuclear polyadenylated RNA-binding protein antibody Bruno like 2 antibody bruno like protein 2 antibody Bruno-like protein 2 antibody BRUNOL 2 antibody BRUNOL2 antibody CELF 1 antibody CELF-1 antibody celf1 antibody CELF1 CUGBP, Elav like family member 1 antibody CELF1_HUMAN antibody CUG BP and ETR 3 like factor 1 antibody CUG BP antibody CUG BP1 antibody CUG RNA binding protein antibody CUG triplet repeat RNA binding protein 1 antibody CUG triplet repeat RNA-binding protein 1 antibody CUG-BP antibody CUG-BP- and ETR-3-like factor 1 antibody CUG-BP1 antibody CUGBP 1 antibody CUGBP and ETR3 like factor 1 antibody CUGBP antibody CUGBP Elav like family member 1 antibody CUGBP Elav-like family member 1 antibody CUGBP1 antibody Cytidine uridine guanosine binding protein 1 antibody Deadenylation factor CUG BP antibody Deadenylation factor CUG-BP antibody Deadenylation factor CUGBP antibody EDEN BP antibody EDEN BP homolog antibody EDEN-BP antibody EDEN-BP homolog antibody embryo deadenylation element binding protein antibody embryo deadenylation element binding protein homolog antibody Embryo deadenylation element-binding protein homolog antibody hNab 50 antibody hNab50 antibody NAB 50 antibody NAB50 antibody NAPOR antibody Nuclear polyadenylated RNA binding protein 50 kD antibody Nuclear polyadenylated RNA binding protein antibody RNA binding protein BRUNOL 2 antibody RNA binding protein BRUNOL2 antibody RNA-binding protein BRUNOL-2 antibody
Accession No.	Swiss-Prot#:Q92879
Uniprot	Q92879
GeneID	10658;
Calculated MW	52 kDa
Formulation	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

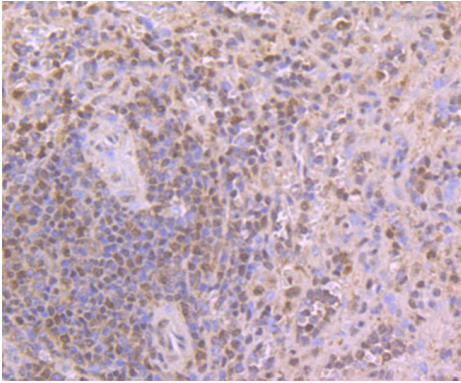
Application Details

IHC: 1:50-1:200

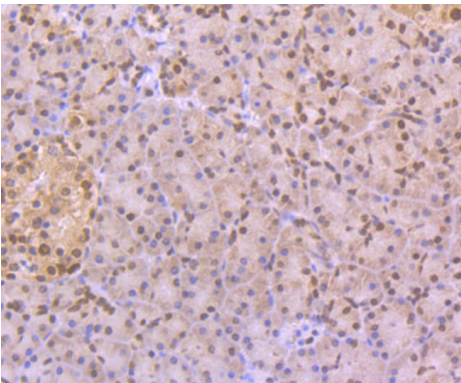
Images



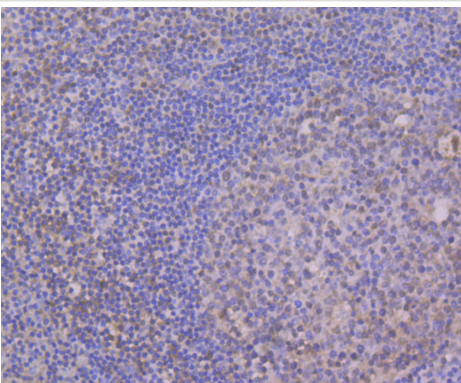
Western blot analysis of CELF1 on Daudi cell lysate using anti-CELF1 antibody at 1/5,000 dilution.



Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-CELF1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-CELF1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CELF1 antibody. Counter stained with hematoxylin.

Background

Myotonic dystrophy (DM) is an autosomal dominant neuromuscular disease that is associated with a (CTG) n repeat expansion in the 3'-untranslated region of the myotonin protein kinase gene (DMPK). 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/EBP β transcription factor. CUG-BP1 is an important regulator of initiation from different AUG codons of C/EBP β mRNA. In normal cells, CUG-BP1 up-regulates the p21 protein during differentiation by inducing the translation of p21 via binding

to a GC-rich sequence located within the 5' region of p21 mRNA. In DM cells, failure to accumulate CUG-BP1 leads to a reduction of p21 and alterations in other proteins responsible for cell cycle withdrawal.

References

Note: This product is for in vitro research use only