Datasheet for ABIN1712261

anti-EXOSC10 antibody (AA 41-140) (HRP)

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Overview

Quantity:	100 µL
Target:	EXOSC10
Binding Specificity:	AA 41-140
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EXOSC10 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human EXOSC10/PMSCL2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	EXOSC10
Alternative Name:	EXOSC10/PMSCL2 (EXOSC10 Products)

Target Details

Background:	Synonyms: Autoantigen PM/Scl 2, Exosc10, Exosome component 10, EXOSX_HUMAN, P100 polymyositis scleroderma overlap syndrome associated autoantigen, P100 polymyositis-scleroderma overlap syndrome-associated autoantigen, p2, p3, p4, PM Scl, PM/Scl 100, PM/Scl-100, PMSCL, PMSCL2, Polymyositis/scleroderma autoantigen 100 kDa, Polymyositis/scleroderma autoantigen 2 100 kDa, Polymyositis/scleroderma autoantigen 2, RRP6, Rrp6p. Background: The exosome is a multi-subunit complex composed of several highly conserved proteins, some of which are 3? to 5? exoribonucleases. The complex is involved in a variety of cellular processes and is responsible for degrading unstable mRNAs that contain AU-rich (ARE) elements in their untranslated 3? region. EXOSC10, also known as PMSCL, PMSCL2, p2, p3, p4, RRP6, Rrp6p, PM-Scl, or PM/Scl-100, is an 885 amino acid protein that contains one HRDC domain and one 3?-5? enonuclease domain. Localized to both the cytoplasm and the nucleus, EXOSC10 is part of the post-splicing exosome complex and is involved in mRNA surveillance, mRNA nuclear export and nonsense-mediated decay of mRNAs containing premature stop codons. against EXOSC10 have been found in patients with scleroderma and/or polymyositis (chronic diseases of the skin and muscle, respectively), suggesting that EXOSC10 may be involved in the pathogenesis of these diseases. Two isoforms of EXOSC10 exist due to alternative splicing events.
Gene ID:	5394

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

	handled by trained staff only.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months