

Product datasheet

Anti-RTCD1 antibody ab89043

2 Images

Overview

Product name	Anti-RTCD1 antibody
Description	Mouse polyclonal to RTCD1
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	RTCD1 full-length Human protein (NP_003720)
Positive control	Human spleen lysate and RTCD1 transfected 293T cell lysate

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 1X PBS, pH 7.2
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab89043** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 39 kDa.

Target

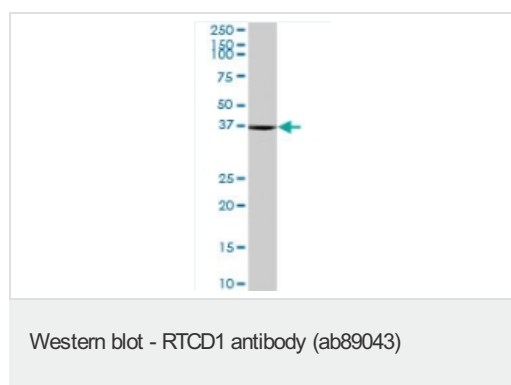
Relevance

RTCD1 catalyzes the conversion of 3'-phosphate to a 2',3'-cyclic phosphodiester at the end of RNA. The mechanism of action of the enzyme occurs in 3 steps: (A) adenylation of the enzyme by ATP; (B) the enzyme acts on RNA-N3'P to produce RNA-N3'PP5'A; (C) a non catalytic nucleophilic attack by the adjacent 2'hydroxyl on the phosphorus in the diester linkage to produce the cyclic end product. The biological role of this enzyme is unknown but it is likely to function in some aspects of cellular RNA processing. There are two named isoforms.

Cellular localization

Nucleus, nucleoplasm.

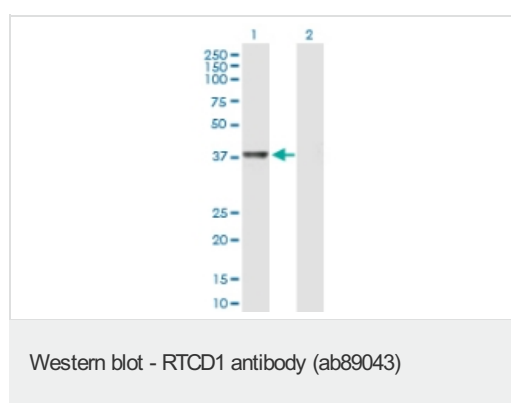
Images



Anti-RTCD1 antibody (ab89043) at 1 µg/ml +
Human spleen lysate at 50 µg

Predicted band size: 39 kDa

Observed band size: 37 kDa



All lanes : Anti-RTCD1 antibody (ab89043) at
1 µg/ml

Lane 1 : RTCD1 transfected 293T cell lysate

Lane 2 : Non-transfected 293T cell lysate

Lysates/proteins at 25 µg per lane.

Predicted band size: 39 kDa

Observed band size: 39 kDa

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