


Anti-SMNDC1 antibody ab227952

5 Images

Overview

Product name	Anti-SMNDC1 antibody
Description	Rabbit polyclonal to SMNDC1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Cow, Pig, Rhesus monkey 
Immunogen	Recombinant fragment within Human SMNDC1 (internal sequence). The exact sequence is proprietary. Database link: O75940
Positive control	IHC-P: Human lung cancer tissue; C2C12 and SNU1 xenograft tissues. WB: IMR32 whole cell lysate. ICC/IF: MCF7 cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

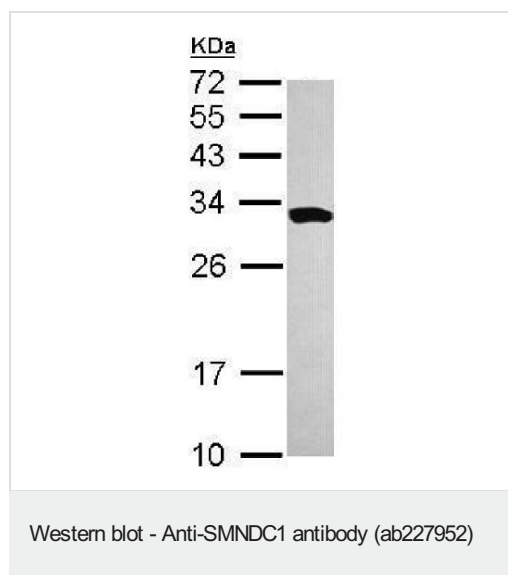
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab227952 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 27 kDa.
IHC-P		1/100 - 1/1000.
ICC/IF		1/100 - 1/1000.

Target

Function	Necessary for spliceosome assembly. Overexpression causes apoptosis.
Tissue specificity	Detected at intermediate levels in skeletal muscle, and at low levels in heart and pancreas.
Sequence similarities	Belongs to the SMN family. Contains 1 Tudor domain.
Cellular localization	Nucleus speckle. Nucleus > Cajal body. Detected in nuclear speckles containing snRNP and in Cajal (coiled) bodies.

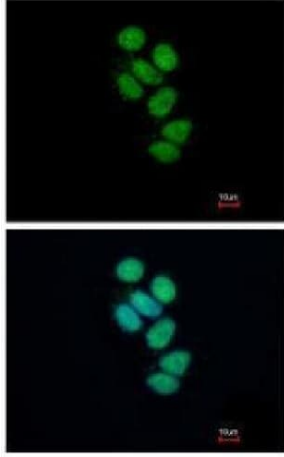
Images



Anti-SMNDC1 antibody (ab227952) at 1/1000 dilution + IMR32 (human neuroblast cell line) whole cell lysate at 30 µg

Predicted band size: 27 kDa

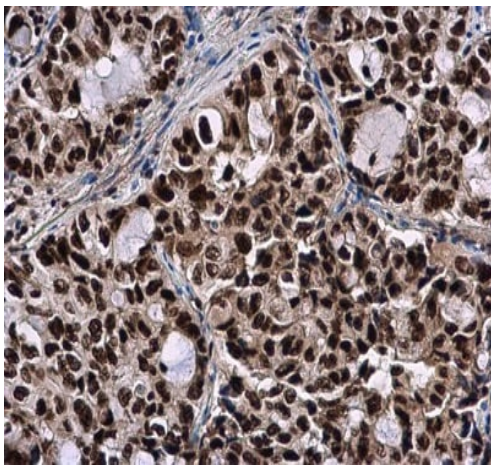
12% SDS-PAGE gel.



Immunocytochemistry/ Immunofluorescence - Anti-SMNDC1 antibody (ab227952)

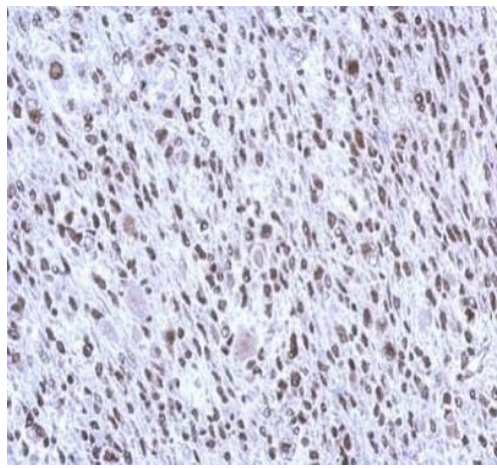
Paraformaldehyde-fixed MCF7 (human breast adenocarcinoma cell line) cells stained for SMNDC1 (green) using ab227952 at 1/500 dilution in ICC/IF.

Nuclear counter stain: Hoechst 33342 (blue).



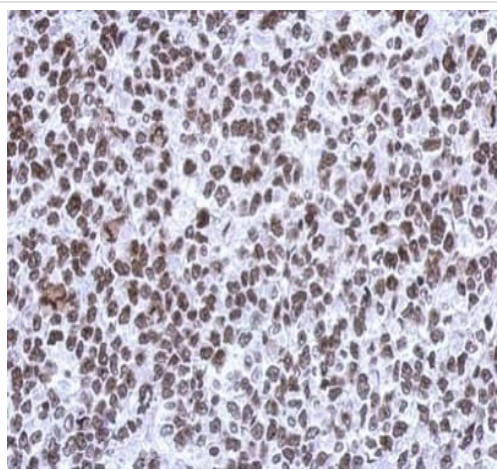
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SMNDC1 antibody (ab227952)

Paraffin-embedded human lung cancer tissue stained for SMNDC1 using ab227952 at 1/500 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SMNDC1 antibody (ab227952)

Paraffin-embedded C2C12 xenograft tissue stained for SMNDC1 using ab227952 at 1/500 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SMNDC1 antibody (ab227952)

Paraffin-embedded SNU1 xenograft tissue stained for SMNDC1 using ab227952 at 1/500 dilution in immunohistochemical analysis.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet

- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors