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Datasheet for ABIN2791705
anti-NSMCE4A antibody (C-Term)

2 Images

Overview

Quantity:	100 µL
Target:	NSMCE4A
Binding Specificity:	C-Term
Reactivity:	Human, Cow, Dog, Guinea Pig, Horse, Mouse, Rabbit, Rat, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NSMCE4A antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human NSMCE4A
Sequence:	PVIQEERAMP AQLRRMEESH QEATEKEVER ILGLLQTYFR EDPDTPMSFF
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against NSMCE4A. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	NSMCE4A
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Target Details

Alternative Name:	NSMCE4A (NSMCE4A Products)
Background:	<p>NSMCE4A is a component of the SMC5-SMC6 complex, a complex involved in DNA double-strand breaks by homologous recombination. The complex may promote sister chromatid homologous recombination by recruiting the SMC1-SMC3 cohesin complex to double-strand breaks. The complex is required for telomere maintenance via recombination in ALT (alternative lengthening of telomeres) cell lines and mediates sumoylation of shelterin complex (telosome) components which is proposed to lead to shelterin complex disassembly in ALT-associated PML bodies (APBs). It is involved in positive regulation of response to DNA damage stimulus.</p> <p>Alias Symbols: C10orf86, NS4EA, NSE4A</p> <p>Protein Interaction Partner: UBC, HECW2, SRPK2, SRPK1, MAGED4B, NDNL2, MAGEC2, MAGEH1, MAGED2, NDN, MAGEB1, MAGEA1, NSMCE1, SMC6,</p> <p>Protein Size: 385</p>
Molecular Weight:	44 kDa
Gene ID:	54780
NCBI Accession:	NM_017615 , NP_060085
UniProt:	Q9NXX6
Pathways:	Positive Regulation of Response to DNA Damage Stimulus

Application Details

Restrictions: For Research Use only

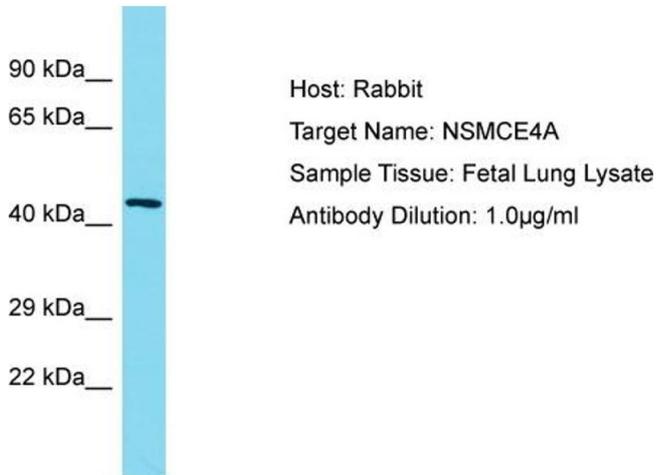
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	-20 °C

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

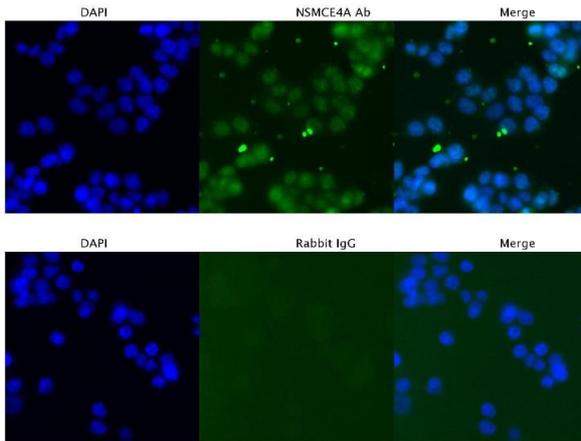


Host: Rabbit
Target Name: NSMCE4A
Sample Tissue: Fetal Lung Lysate
Antibody Dilution: 1.0µg/ml

Western Blotting

Image 1. Host: Rabbit Target Name: NSMCE4A Sample Type: Fetal Lung lysates Antibody Dilution: 1.0ug/ml

NSMCE4A in HCT116 Cells



Immunofluorescence

Image 2. Sample Type : HCT116 Primary Antibody Dilution: 4 ug/ml Secondary Antibody : Anti-rabbit Alexa 546 Secondary Antibody Dilution: 2 ug/ml Gene Name : NSMCE4A