

Datasheet for ABIN2786320

anti-NSMCE2 antibody (Middle Region)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	NSMCE2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rabbit, Horse, Guinea Pig, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NSMCE2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human NSMCE2
Sequence:	KFLALQSKNS DADFQNNKEF VQFKQQLKEL KKQCGLQADR EADGTEGVDE
Predicted Reactivity:	Cow: 86%, Guinea Pig: 86%, Horse: 100%, Human: 100%, Mouse: 79%, Rabbit: 100%
Characteristics:	This is a rabbit polyclonal antibody against NSMCE2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	NSMCE2
Alternative Name:	NSMCE2 (NSMCE2 Products)

Target Details

Background:	NSMCE2 is the E3 SUMO-protein ligase 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. NSMCE2 acts as a E3 ligase mediating SUMO attachment to various proteins such as SMC6L1 and TRAX, and maybe the cohesin components RAD21 and STAG2. SUMO protein-ligase activity is required for the prevention of DNA damage-induced apoptosis by facilitating DNA repair. Alias Symbols: C8orf36, FLJ32440, MMS21, NSE2 Protein Interaction Partner: TXLNA, PAN2, UBC, NSMCE1, SMC6, PDS5A, SMC5, WAPAL, PDS5B, STAG2, SMC3, SMC1A, SUMO1, TSNAX, RAD21, ETV1, SUMO2, Protein Size: 247
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Molecular Weight:	28 kDa
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Gene ID:	286053
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NCBI Accession:	NM_173685 , NP_775956
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UniProt:	Q96MF7
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Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 247 AA
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Restrictions:	For Research Use only
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Handling

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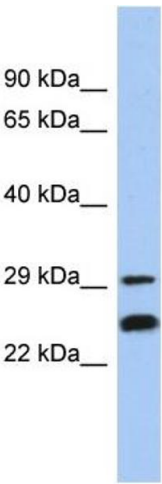
Handling Advice:	Avoid repeated freeze-thaw cycles.
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Storage:	-20 °C
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Handling

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



Western Blotting

Image 1. WB Suggested Anti-NSMCE2 Antibody Titration:
0.2-1 ug/ml
ELISA Titer: 1:312500
Positive Control: MCF7 cell lysate