

Datasheet for ABIN783606

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

Overview

Quantity:	0.1 mg
Target:	NSMCE2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NSMCE2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	15 amino acid peptide near the carboxy terminus of Human MMS21
Cross-Reactivity (Details):	Species reactivity (tested): Human, Mouse, Rat
Purification:	Immunoaffinity Chromatography

Target Details

Target:	NSMCE2
Alternative Name:	NSMCE2 (NSMCE2 Products)
Background:	MMS21, also known as NSE2, is a SUMO ligase that in combination with the SMC5/6 complex is required for the prevention of DNA damage induced apoptosis by facilitating DNA repair in human cells. MMS21-dependent sumoylation is integral and important to the cohesion mechanism and mitotic progression, this function appears to be independent of SMC6. MMS21

Target Details

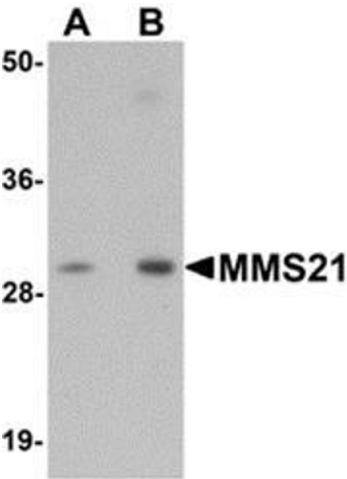
	mediates SUMO attachment to various proteins such as SMC6L1 and TRAX, and possibly the cohesin components RAD21 and STAG2.Synonyms: C8orf36, E3 SUMO-protein ligase NSE2, MMS21
Gene ID:	286053
NCBI Accession:	NP_775956
UniProt:	Q96MF7

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 0.02 % Sodium Azide
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 repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the antibody (in aliquots) at -20 °C.



Western Blotting

Image 1. Western blot analysis of MMS21 in 293 cell lysate with MMS21 antibody at (A) 0.5 and (B) 1 μ g/ml.