Datasheet for ABIN6991340

anti-NSMCE2 antibody (C-Term)

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Overview

Quantity:	0.1 mg
Target:	NSMCE2
Binding Specificity:	AA 170-220, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NSMCE2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	MMS21 antibody was raised against a 15 amino acid synthetic peptide near the carboxy terminus of human MMS21. The immunogen is located within amino acids 170 - 220 of MMS21.
Isotype:	IgG
Purification:	MMS21 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	NSMCE2
Alternative Name:	MMS21 (NSMCE2 Products)
Background:	MMS21 Antibody: 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

Target Details

	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 mediates SUMO attachment to various proteins such as SMC6L1 and TRAX, and possibly the cohesin components RAD21 and STAG2.
Molecular Weight:	Predicted: 27 kDa Observed: 30 kDa
Gene ID:	286053
NCBI Accession:	NP_775956
UniProt:	Q96MF7

Application Details

Application Notes:	MMS21 antibody can be used for detection of MMS21 by Western blot at 0.5 - 1 µ,g/mL. Antibody validated: Western Blot in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	MMS21 Antibody is supplied in 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.
Storage:	-20 °C,4 °C
Storage Comment:	MMS21 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.