



Anti-NSMCE2 monoclonal antibody, clone 5B3 (DCABH-918)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to NSE2
Antigen Description	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. 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.
Immunogen	Recombinant full length protein of Human NSE2 produced in E.coli (NP_775956).
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	5B3
Conjugate	Unconjugated
Applications	WB, Flow Cyt, ICC/IF
Positive Control	HEK293T cells transfected with pCMV6-ENTRY control and pCMV6-ENTRY NSE2, COS7 cells transiently transfected by pCMV6-ENTRY NSE2, HEK293T cells transfected with overexpress NSE2 plasmid
Format	Liquid
Size	100 µl

Buffer	pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 48% PBS, 1% BSA, 50% Glycerol
Preservative	0.02% Sodium Azide
Storage	store at -20°C. Avoid freeze / thaw cycles.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	NSMCE2 non-SMC element 2, MMS21 homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	NSMCE2
Synonyms	NSMCE2; non-SMC element 2, MMS21 homolog (S. cerevisiae); C8orf36, chromosome 8 open reading frame 36 , non SMC element 2 homolog (MMS21, S. cerevisiae); E3 SUMO-protein ligase NSE2; FLJ32440; MMS21; NSE2; hMMS21; MMS21 homolog; non-SMC element 2 homolo
Entrez Gene ID	286053
Protein Refseq	NP_775956
UniProt ID	A0A024R9J6
Chromosome Location	8q24.13
Function	SUMO ligase activity; ligase activity; metal ion binding; zinc ion binding;