

Immunotag™ NSE2 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN0674
Product Description	Immunotag™ NSE2 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	NSE2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	NSE2 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	NSMCE2 C8orf36 MMS21
Accession No.	Q96MF7 Q91VT1 Q4V8A0

Antibody Specification

Description	function: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.,pathway:Protein modification; protein sumoylation.,PTM:Sumoylated, possibly via autosumoylation.,similarity:Belongs to the NSE2 family.,similarity:Contains 1 SP-RING-type zinc finger.,subunit:Component of the SMC5-SMC6 complex which consists of SMC5, SMC6, NSMCE2/MMS21 and probably NSMCE1.,
Protein Expression	Cervix,Epithelium,Skeletal muscle,
Subcellular Localization	chromosome, telomeric region,nucleus,nucleoplasm,PML body,Smc5-Smc6 complex,
Protein Function	function: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.,pathway:Protein modification; protein sumoylation.,PTM:Sumoylated, possibly via autosumoylation.,similarity:Belongs to the NSE2 family.,similarity:Contains 1 SP-RING-type zinc finger.,subunit:Component of the SMC5-SMC6 complex which consists of SMC5, SMC6, NSMCE2/MMS21 and probably NSMCE1.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.