

For Research Use Only

# NSMCE2 Recombinant antibody

Catalog Number:85188-4-RR



## Basic Information

<b>Catalog Number:</b> 85188-4-RR	<b>GenBank Accession Number:</b> BC032797	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 286053	<b>CloneNo.:</b> 242862D8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96MF7	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:250-1:1000
<b>Isotype:</b> IgG	<b>Full Name:</b> non-SMC element 2, MMS21 homolog (S. cerevisiae)	
<b>Immunogen Catalog Number:</b> AG4545	<b>Calculated MW:</b> 247 aa, 28 kDa	
	<b>Observed MW:</b> 28-32 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> HeLa cells, Jurkat cells, K-562 cells, A549 cells, U2OS cells
	<b>IF/ICC :</b> U2OS cells,

## Background Information

NSMCE2 (E3 SUMO-protein ligase NSE2) has a C-terminal Siz/PIAS-RING (SP-RING) domain with E3 SUMO ligase activity (PMID: 15601841). NSMCE2, an essential SUMO ligase of the SMC5/6 complex suppresses cancer and aging in mice (PMID: 26443207).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:

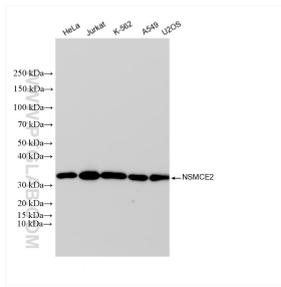
T: 4006900926

E: Proteintech-CN@ptglab.com

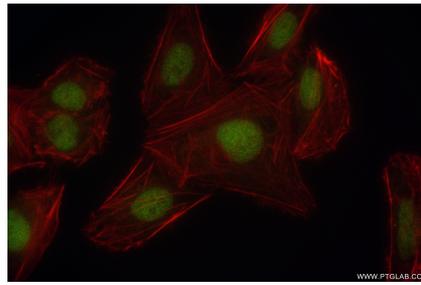
W: ptgcn.com

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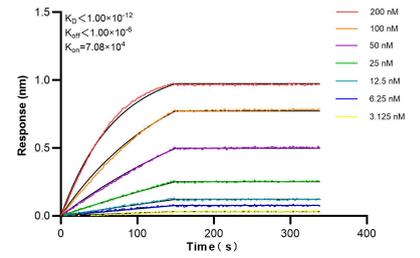
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85188-4-RR (NSMCE2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using NSMCE2 antibody (85188-4-RR, Clone: 242862D8) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Bi-layer interferometry (BLI) kinetic assays of 85188-4-RR against Human NSMCE2 were performed. The affinity constant is below 1 pM.