



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0


F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Product Number	ARP55690_P050-HRP
Product Page	www.avivasysbio.com/nsnce2-antibody-middle-region-hrp-arp55690-p050-hrp.html
Name	NSMCE2 Antibody - middle region : HRP (ARP55690_P050-HRP)
Protein Size (# AA)	247 amino acids
Molecular Weight	28kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	286053
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Non-SMC element 2, MMS21 homolog (S. cerevisiae)
Alias Symbols	NSE2, MMS21, ZMIZ7, C8orf36
Peptide Sequence	Synthetic peptide located within the following region: KFLALQSKNSDADFQNNKFFVQFKQQLKELKKQCGLQADREADGTGVDE
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Reference	Zandi,P.P., (er) Am. J. Med. Genet. B Neuropsychiatr. Genet. (2007) In press
Description of Target	NSMCE2 is the 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. NSMCE2 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.
Protein Interactions	TXLNA; PAN2; UBC; NSMCE1; SMC6; PDS5A; SMC5; WAPAL; PDS5B; STAG2; SMC3; SMC1A; SUMO1; TSNAX; RAD21; ETV1; SUMO2;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-NSMCE2 (ARP55690_P050-HRP) antibody
Blocking Peptide	For anti-NSMCE2 (ARP55690_P050-HRP) antibody is Catalog# AAP55690 (Previous Catalog# AAPP36138)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human NSMCE2
Uniprot ID	Q96MF7
Protein Name	E3 SUMO-protein ligase NSE2
Protein Accession #	NP_775956
Purification	Affinity Purified
Nucleotide Accession #	NM_173685
Gene Symbol	NSMCE2
Predicted Species Reactivity	Human, Mouse, Cow, Guinea Pig, Horse, Rabbit
Application	WB

Predicted Homology Based on Immunogen Sequence	Cow: 86%; Guinea Pig: 86%; Horse: 100%; Human: 100%; Mouse: 79%; Rabbit: 100%
Image 1	 A schematic diagram of an antibody molecule, represented as a Y-shape. It consists of two heavy chains (the inner vertical lines) and two light chains (the outer diagonal lines), all connected at their base.

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.

Optimal conditions of its use should be determined by end users.

AVIVA SYSTEMS BIOLOGY

6370 Nancy Ridge Dr., Suite 104, San Diego, CA 92121 USA | Tel: (858)552-6979 | info@avivasysbio.com