10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NSMCE4A Rabbit pAb

Catalog # AP96717

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9NXX6
Other Accession	Q9NXX6
Reactivity	Rat, Mouse
Predicted	Pig, Human, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44301
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NSMCE4A
Epitope Specificity	101-200/385
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the NSE4 family.
SUBUNIT	Component of the SMC5-SMC6 complex which consists at least of SMC5, SMC6, NSMCE2, NSMCE1, NSMCE4A or EID3 and NDNL2. NSMCE1, NSMCE4A or EID3 and NDNL2 probably form a subcomplex that bridges the head domains of the SMC5:SMC6 heterodimer.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	54780
Other Names	C10orf86; NS4EA; NSE4A; 2410003A14Rik; RGD1309025; NSE4A_HUMAN; NSMCE4A; Non-SMC element 4 homolog A; NSE4A component of SMC5/6 complex; NSE4 homolog A, SMC5-SMC6 complex component; chromosome 10 open reading frame 86; non-SMC element 4 homolog A (S. cerevisiae); NSE4 homolog, SMC5-SMC6 complex component A
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	NSMCE4A

Synonyms	C10orf86
Function	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. The complex is required for telomere maintenance via recombination in ALT (alternative lengthening of telomeres) cell lines and mediates sumoylation of shelterin complex (telosome) components which is proposed to lead to shelterin complex disassembly in ALT-associated PML bodies (APBs). Is involved in positive regulation of response to DNA damage stimulus.
Cellular Location	Nucleus. Chromosome, telomere

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.