

For Research Use Only

SMC2 Recombinant antibody

Catalog Number: 84835-1-RR



Basic Information

Catalog Number:	84835-1-RR	GenBank Accession Number:	NM_001042550.1	Purification Method:	Protein A purification
Size:	100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI):	10592	CloneNo.:	241536G3
Source:	Rabbit	UNIPROT ID:	O95347	Recommended Dilutions:	IHC 1:50-1:500
Isotype:	IgG	Full Name:	structural maintenance of chromosomes 2		
Immunogen Catalog Number:	AG33471	Calculated MW:	136 kDa		

Applications

Tested Applications:	IHC, ELISA	Positive Controls:	IHC : mouse brain tissue,
Species Specificity:	human, mouse		
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			

Background Information

SMC2 is a central component of the condensin complex, a complex required for conversion of interphase chromatin into mitotic-like condense chromosomes. The condensin complex probably introduces positive supercoils into relaxed DNA in the presence of type I topoisomerases and converts nicked DNA into positive knotted forms in the presence of type II topoisomerases (PMID: 11136719).

Storage

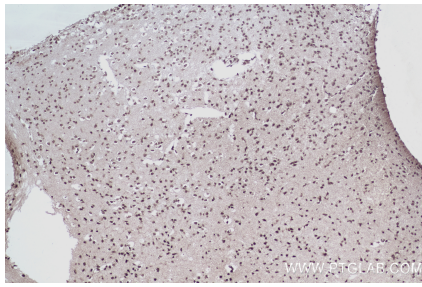
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

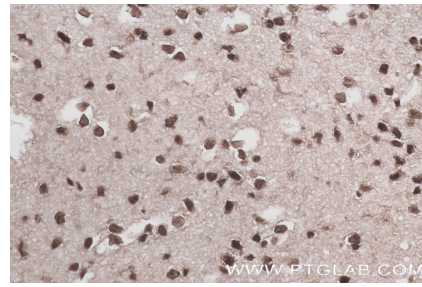
For technical support and original validation data for this product please contact:
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 84835-1-RR (SMC2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 84835-1-RR (SMC2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).