

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: 1000 µg/ml	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

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

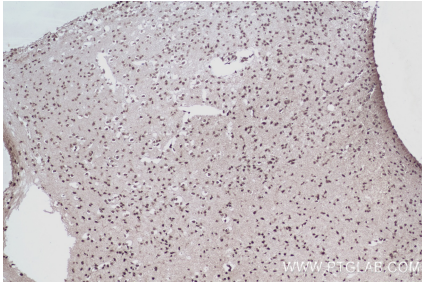
T: 4006900926

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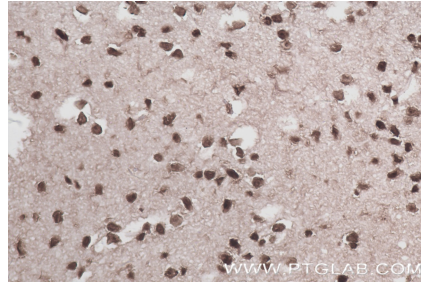
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Selected Validation Data



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).