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## SMC2 Rabbit pAb

Catalog Number: bs-7727R

Target Protein: SMC2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted: Horse)

Predicted MW: 136 kDa

Subcellular: Cytoplasm, Nucleus

Locations:

Entrez Gene: 10592

Source: KLH conjugated synthetic peptide derived from human SMC2: 401-500/1197.

Purification: affinity purified by Protein A

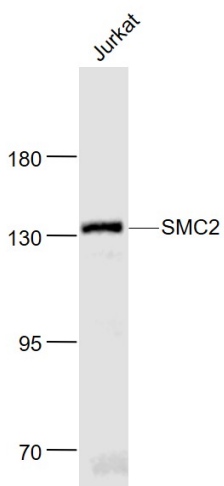
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

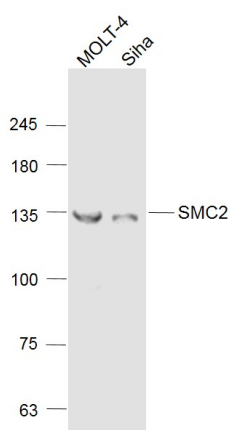
**Background:** Central component of the condensin complex, a complex required for conversion of interphase chromatin into mitotic-like condensed chromosomes. The condensin complex probably introduces positive supercoils into relaxed DNA in the presence of type I topoisomerases and converts nicked DNA into positive knotted forms in the presence of type II topoisomerases.

### VALIDATION IMAGES

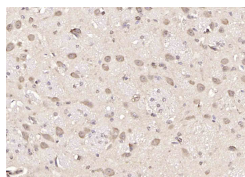
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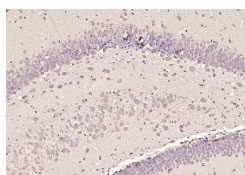
Sample: Jurkat(Human) Cell Lysate at 30 ug Primary: Anti- SMC2 (bs-7727R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 136 kD Observed band size: 136 kD



Sample: MOLT-4(Human) Cell Lysate at 30 ug SiHa(Human) Cell Lysate at 30 ug Primary: Anti-SMC2 (bs-7727R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 136 kD Observed band size: 136 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GDNF) Polyclonal Antibody, Unconjugated (bs-1024R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GDNF) Polyclonal Antibody, Unconjugated (bs-1024R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.