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SMC3 Rabbit pAb

Catalog No.: A18402

Basic Information

Observed MW
142kDa

Calculated MW
142kDa

Category
Polyclonal Antibody

Applications
WB,IP,ELISA

Cross-Reactivity
Human,Mouse

Background

This gene belongs to the SMC3 subfamily of SMC proteins. The encoded protein occurs in certain cell types as either an intracellular, nuclear protein or a secreted protein. The nuclear form, known as structural maintenance of chromosomes 3, is a component of the multimeric cohesin complex that holds together sister chromatids during mitosis, enabling proper chromosome segregation. Post-translational modification of the encoded protein by the addition of chondroitin sulfate chains gives rise to the secreted proteoglycan bamacan, an abundant basement membrane protein.

Recommended Dilutions

WB	1:500 - 1:2000
IP	0.5μg-4μg antibody for 400μg-600μg extracts of whole cells

Immunogen Information

Gene ID
9126

Swiss Prot
Q9UQE7

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 909-1199 of human SMC3 (NP_005436.1).

Synonyms
BAM; BMH; HCAP; CDLS3; CSPG6; SMC3L1; SMC3

Contact

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Product Information

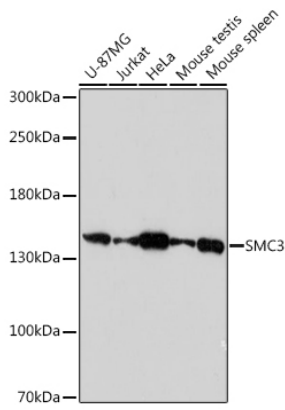**Source**
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

Validation Data

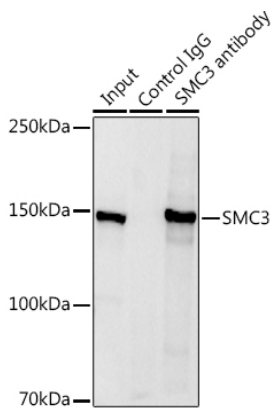Western blot analysis of various lysates using SMC3 Rabbit pAb (A18402) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.

Immunoprecipitation analysis of 600 µg extracts of Mouse spleen using 3 µg SMC3 antibody (A18402). Western blot was performed from the immunoprecipitate using SMC3 antibody (A18402) at a dilution of 1:1000.