

A18402

Leader in Biomolecular Solutions for Life Science



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

ELISA Recommended starting
concentration is 1
µg/mL. Please optimize
the concentration
based on your specific
assay requirements.

Immunogen Information

Gene ID

9126

Swiss Prot

Q9UQE7

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

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

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

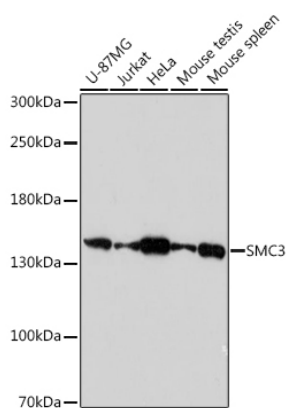
Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Contact



www.abclonal.com

Validation Data



Western blot analysis of various lysates using SMC3 Rabbit pAb (A18402) at 1:1000 dilution.

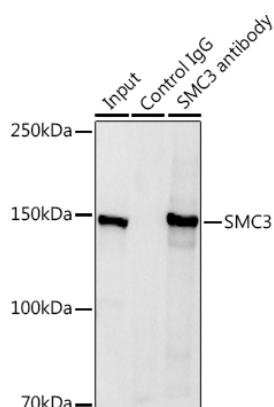
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

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.