

Goat anti-SMC5 Antibody

Item Number	dAP-1970
Target Molecule	Principle Name: SMC5; Official Symbol: SMC5; All Names and Symbols: SMC5; structural maintenance of chromosomes 5; KIAA0594; SMC5L1; OTTHUMP00000063367; SMC5 protein; SMC5 structural maintenance of chromosomes 5-like 1; Accession Number (s): NP_055925.2; Human Gene ID(s): 23137; Non-Human GenID(s): 226026 (mouse) 293967 (rat)
Immunogen	TSKHLEHKDNELRQ, is from Internal region
Applications	Pep ELISA Species Tested:
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 128000.
Western Blot	Western Blot: Preliminary experiments in Human Kidney and Liver lysates and in lysates of cell line HeLa gave no specific signal but low background (at antibody concentration up to 2µg/ml). We would appreciate any feedback from people in the field - have
IHC	
Reference	Reference(s): Pebernard S, Perry JJ, Tainer JA, Boddy MN. Nse1 RING-like domain supports functions of the Smc5-Smc6 holocomplex in genome stability. Mol Biol Cell. 2008 Oct;19(10):4099-109.. PMID: 18667531->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**