

Goat anti-CAPE Antibody

Item Number	dAP-2380
Target Molecule	Principle Name: CAPE; Official Symbol: SMC2; All Names and Symbols: SMC2; structural maintenance of chromosomes 2; PRO0324; CAP-E; CAPE; FLJ10093; SMC2L1; hCAP-E; OTTHUMP00000021818; OTTHUMP00000021819; SMC protein 2; SMC-2; SMC2 (structural maintenance of chromosomes 2, yeast)-like 1; SMC2 structural maintenance of chrom; Accession Number (s): NP_006435.2; Human Gene ID(s): 10592; Non-Human GeneID(s):
Immunogen	SKAKPPKGAHVEV, is from C Terminus Reported variants NP_006435.2, NP_001036015.1 and NP_001036016.1 represent identical protein
Applications	Pep ELISA, WB Species Tested: Human
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 32000.
Western Blot	Western Blot: Approx 140kDa band observed in lysates of cell line HeLa (calculated MW of 136kDa according to NP_006435.2). Recommended concentration: 0.2-0.6µg/ml.
IHC	
Reference	Reference(s): Schmiesing JA, Ball AR Jr, Gregson HC, Alderton JM, Zhou S, Yokomori K. Identification of two distinct human SMC protein complexes involved in mitotic chromosome dynamics. Proc Natl Acad Sci U S A 1998 Oct 27;95(22):12906-11.PMID: 9789013->

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 ender users! This product is sold for **Research Use Only**