Recombinant DGRmAb®

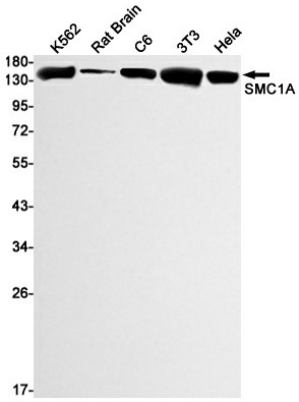
SMC1A (DGR13519) Rabbit mAb

db12036 **Package : 10μL 20μL 50μL 100μL**

Product Name : SMC1A (DGR13519) Rabbit mAb
Cat.No.: db12036
Synonyms : SMC1; SMCB; CDLS2; SB1.8; SMC1L1; DXS423E; SMC1alpha
Application : WB, IHC-P
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	Proper cohesion of sister chromatids is a prerequisite for the correct segregation of chromosomes during cell division. The cohesin multiprotein complex is required for sister chromatid cohesion. This complex is composed partly of two structural maintenance of chromosomes (SMC) proteins, SMC3 and either SMC1B or the protein encoded by this gene. Most of the cohesin complexes dissociate from the chromosomes before mitosis, although those complexes at the kinetochore remain. Therefore, the encoded protein is thought to be an important part of functional kinetochores. In addition, this protein interacts with BRCA1 and is phosphorylated by ATM, indicating a potential role for this protein in DNA repair. This gene, which belongs to the SMC gene family, is located in an area of the X-chromosome that escapes X inactivation. Mutations in this gene result in Cornelia de Lange syndrome. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013]
Immunogen	A synthetic peptide of human SMC1
Gene ID	8243
Swiss Prot	Q14683
Synonyms	SMC1; SMCB; CDLS2; SB1.8; SMC1L1; DXS423E; SMC1alpha
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P
Recommended dilution	WB: 1:2000-1:20000 IHC-P: 1:200-1:500
Calculated MW	143 kDa
Observed MW	145 kDa
Host species	Rabbit

Clonality	Monoclonal
Clonality No.	DGR13519
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot detection of SMC1A in K562,Rat Brain,C6,3T3,Hela cell lysates using SMC1A antibody(1:1000 diluted).