

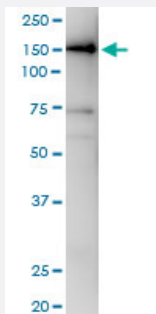
MaxPab®

SMC3 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00009126-D01

Size 100 uL

Applications



Immunoprecipitation

Immunoprecipitation of SMC3 transfected lysate using anti-SMC3 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with CSPG6 MaxPab mouse polyclonal antibody (B01) ([H00009126-B01](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human SMC3 protein.

Immunogen

SMC3 (AAH47324.1, 1 a.a. ~ 1217 a.a) full-length human protein.

Sequence

MYIKQVIIQGFRSYRDQTVDPFSSKHNIVIGRNGSGKSNLFYAIQFVLSDEFSHLRPEQRLALLHEG
TGPRVISAFAVEIIFDNSDNRLPIDKEEVSLRRVIGAKKDQYFLDKKMTKNDVMNLLSAGFSR SNP
YYVKQGKINQMATA PD SQRLKLLREVAGTRVYDERKEESISLMKETEGKREKINELLKYEERLHTL
EEEEKEELA QYQKWDKMRRAL EYTYNQELNETRAKLDELSAKRETSGEKS RQLRDAQQDARDKM
EDIERQVRELKTKISAMKEEKEQLSAERQEIQRTKLELAKADLQDELAGNSEQRKRLKERQK
LLEKIEEKQKELAE TE PKFNSVKEKEERGIARLAQATQERTDLYAKQGRGSQFTSKEERDKWIKK
ELKSLDQAINDKKRQIAAIHKDLEDTEANKEKNLEQYNKLDQDLNEVKARVEELDRKYEVKNKKD
ELQSERNYLWREENAEQQALAAKREDLEKKQQLLRAATGKAILNGIDSINKVLDHFRRKGINQH VQ
NGYHGVMNNFECEPAFYTCVEVTAGNRLFYHVDSDDEVSTKILMEFNKMNLPG EVTFLPLNKLDV
RDTAYPETNDAIPMISKLRYNPRFDKAFKHVFGKTLICRSMEVSTQLARAFTMDCITLEGDQVSHR
GALTGGYYDTRKSRL ELQKDVRKAEEELGELEAKLNENLRRNIERINNEIDQLMNQMQQIETQQRK
FKASRDSILSEMMLKEKRQQSEKTFMPKQSRSLQSLEASLHAMESTRESLKAELGTDLLS QLSL
EDQKRVDALNDEIRQLQQENRQLLNERIKLEGIITRVETYL NENLRKRLDQVEQELNELRETEGGTV
LTATTSELAINKRVKDTMARSEDLDNSIDKTEAGIKELQKSMERWKNMEKEHMDAINHDTKELEK
MTNRQGMLLKKKEECMKKIRELGSLPQEAFEKYQTL SLKQLFRKLEQCNT ELKKYSHVNKKALDQ
FVNFSEQKEKLIK RQEELDRGYKSIMELMNVLELRKYEAIQLTFKQVSKNFSEVFQKLVP GGKATL
VMKKGDVEGSQSQDEGE GSGESERGSQS SVSDQFTGVGIRVSFTGKQGEMREM QQLS
GGQKSLVALALIFAIQKCDPAPFYLFDEIDQALDAQHRKAVSDMIMELAVHAQFITTFRPELLESA
DKFYGVKFRNKVSHIDVITAEMAKDFVEDDTTHG

Host Rabbit

Reactivity Human

Interspecies Antigen Sequence Mouse (99); Rat (99)

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer No additive

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunoprecipitation

Immunoprecipitation of SMC3 transfected lysate using anti-SMC3 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with CSPG6 MaxPab mouse polyclonal antibody (B01) ([H00009126-B01](#)).

[Protocol Download](#)

Gene Info — SMC3

Entrez GeneID [9126](#)

GeneBank Accession# [BC047324](#)

Protein Accession#	AAH47324.1
Gene Name	SMC3
Gene Alias	BAM, BMH, CDLS3, CSPG6, HCAP, SMC3L1
Gene Description	structural maintenance of chromosomes 3
Omim ID	606062 610759
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000020477 bamacan proteoglycan basement membrane-associated chondroitin proteoglycan chondroitin sulfate proteoglycan 6 (bamacan) chromosome-associated polypeptide

Pathway

- [Cell cycle](#)

Disease

- [Alzheimer Disease](#)
- [De Lange Syndrome](#)
- [Genetic Predisposition to Disease](#)