

SCC4 Rabbit pAb

SCC4 Rabbit pAb
Catalog # AP56638

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9Y6X3
Predicted	Rat, Dog, Human, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	69082
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SCC4
Epitope Specificity	51-150/613
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus, nucleoplasm. Note=Binds to chromatin from the end of mitosis until prophase.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Consisting of around 63 million bases with over 1,400 genes, chromosome 19 makes up over 2% of human genomic DNA. Chromosome 19 includes a diversity of interesting genes and is recognized for having the greatest gene density of the human chromosomes. It is the genetic home for a number of immunoglobulin superfamily members including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG family, and Fcγ receptors. Key genes for eye color and hair color also map to chromosome 19. Peutz-Jeghers syndrome, spinocerebellar ataxia type 6, the stroke disorder CADASIL, hypercholesterolemia and insulin-dependent diabetes have been linked to chromosome 19. Translocations with chromosome 19 and chromosome 14 can be seen in some lymphoproliferative disorders and typically involve the proto-oncogene BCL3.

Additional Information

Gene ID	23383
Other Names	MAU2 chromatid cohesion factor homolog, MAU-2, Cohesin loading complex subunit SCC4 homolog, MAU2, KIAA0892, SCC4 {ECO:0000303 PubMed:22628566}
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	MAU2
Synonyms	KIAA0892, SCC4 {ECO:0000303 PubMed:22628
Function	Plays an important role in the loading of the cohesin complex on to DNA. Forms a heterodimeric complex (also known as cohesin loading complex) with NIPBL/SCC2 which mediates the loading of the cohesin complex onto chromatin (PubMed: 22628566 , PubMed: 28167679). Plays a role in sister chromatid cohesion and normal progression through prometaphase (PubMed: 16682347 , PubMed: 16802858).
Cellular Location	Nucleus, nucleoplasm. Nucleus. Chromosome {ECO:0000250 UniProtKB:Q9D2X5}. Note=Binds to chromatin from the end of mitosis until prophase

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.