

Anti-SCC112 antibody ab122352

[1 References](#) [7 Images](#)

Overview

Product name	Anti-SCC112 antibody
Description	Rabbit polyclonal to SCC112
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	antigen sequence: GRRPKSESQGNATKNDDLNKPINKGRKRAAVGQESPGGLEAGNAKAPKLQ DLAKKAAPAE RQIDLQ, corresponding to C terminal amino acids 1271-1336 of Human SCC112 (Isoform 1). Run BLAST with Expasy Run BLAST with NCBI
Positive control	IHC-P: Human colon, kidney, lymph node and cerebral cortex tissues; WB: NIH/3T3, NBT-II, RT4 and U-251 MG cell lysates; ICC/IF: U-251 MG cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab122352 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 0.25 - 2 µg/ml.
WB		Use a concentration of 0.04 - 0.4 µg/ml.
IHC-P		1/500 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function

Probable regulator of sister chromatid cohesion in mitosis which may stabilize cohesin complex association with chromatin. May couple sister chromatid cohesion during mitosis to DNA replication. Cohesion ensures that chromosome partitioning is accurate in both meiotic and mitotic cells and plays an important role in DNA repair.

Tissue specificity

Highest level in colon. Low levels in lung, ovary, breast and kidney. Reduced level in renal tumor tissue. Isoform 2 is expressed in kidney.

Sequence similarities

Belongs to the PDS5 family.
Contains 1 HEAT repeat.

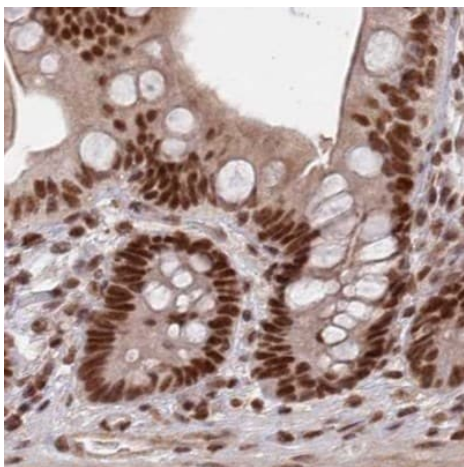
Developmental stage

Cell cycle-regulated with highest level in G2 phase.

Cellular localization

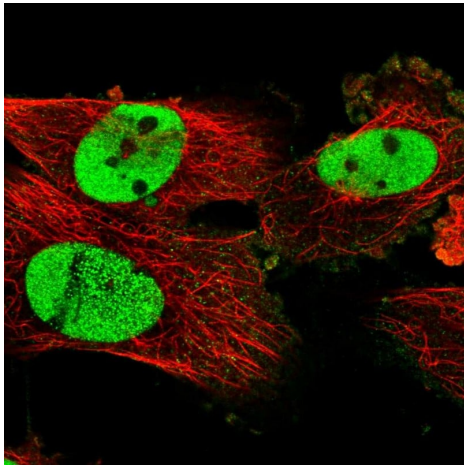
Nucleus. Associated with chromatin through most of the cell cycle. Dissociates from chromatin in late prophase, reassociates during late telophase.

Images



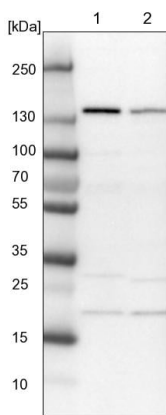
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon tissue labelling SCC112 with ab122352 at 1/500 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SCC112 antibody (ab122352)



Immunocytochemistry/ Immunofluorescence - Anti-SCC112 antibody (ab122352)

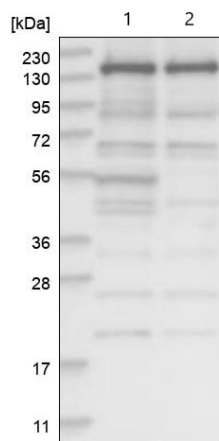
Immunocytochemistry analysis of U-251 MG (formally U-373 MG) (human brain glioma cell line) cells labelling SCC112 with ab122352 at 2 µg/mL.



Western blot - Anti-SCC112 antibody (ab122352)

Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells)

Lane 2: NBT-II cell lysate (Rat Wistar bladder tumour cells)

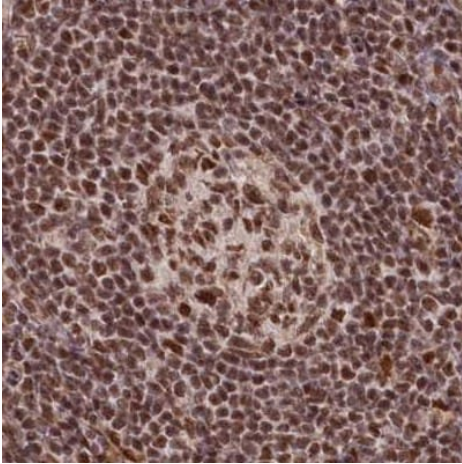


Western blot - Anti-SCC112 antibody (ab122352)

All lanes : Anti-SCC112 antibody (ab122352) at 0.4 µg/ml

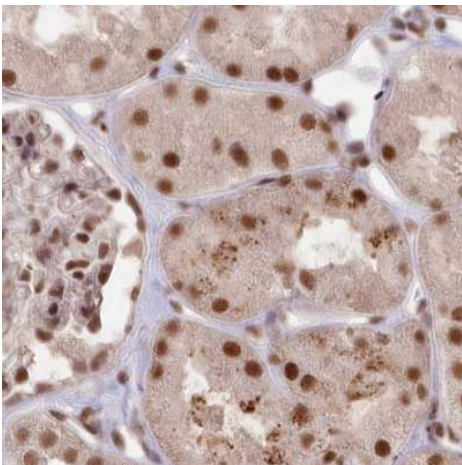
Lane 1 : RT4 (human urinary bladder cancer cell line) cell lysate

Lane 2 : U-251 MG (formally U-373 MG) (human brain glioma cell line) cell lysate



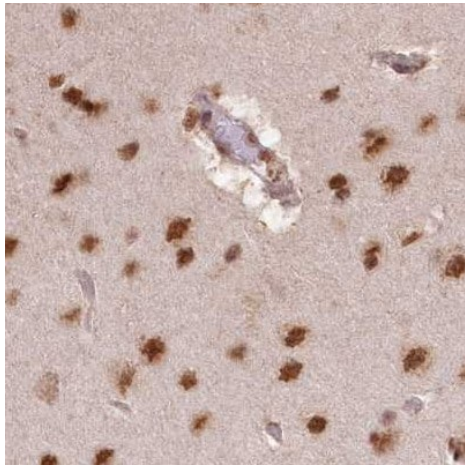
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SCC112 antibody (ab122352)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human lymph node tissue labelling SCC112 with ab122352 at 1/500 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SCC112 antibody (ab122352)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human kidney tissue labelling SCC112 with ab122352 at 1/500 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SCC112 antibody (ab122352)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human cerebral cortex tissue labelling SCC112 with ab122352 at 1/500 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.

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