

Mouse anti-Human, Mouse STAG2 Monoclonal Antibody | anti-STAG2 antibody

Mouse Monoclonal [clone 3C6] (IgG1,k) to Human STAG2

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA12354	Mouse	Human, Mouse	Western Blot, ELISA, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

STAG2; Monoclonal Antibody; Mouse Monoclonal [clone 3C6] (IgG1; k) to Human STAG2; Anti-STAG2 Antibody (clone 3C6) IHC-plus; Cohesin subunit SA-2; SCC3B; SCC3 homolog 2; Stromal antigen 2; SA2; BA517O1.1; SA-2; Human STAG2; anti-STAG2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	3C6
Specificity	Human Nuclear Protein SA-2
Purity/Purification	Purified from ascites by Protein A
Form/Format	PBS, pH 7.4.
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	1231
Applicable Applications for anti-STAG2 antibody	WB (Western Blot), ELISA, IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	Western Blot (WB) ELISA (optimal dilution to be determined by the researcher) IHC-P (5 ug/ml) Immunofluorescence (10ug/ml) Immunohistochemistry: Formalin-fixed paraffin-embedded sections. Western Blot: Cell lysate, Recombinant protein.
Immunogen Species	STAG2 antibody was raised against Human
Antigen type	Recombinant Protein
Target	STAG2
Immunogen	STAG2 antibody was raised against sTAG2 (NP_006594, 1130 a.a. ~ 1232 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech, Inc. makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

IMAGES



WB (Western Blot)
Western blot of STAG2 expression in HeLa nuclear extract with STAG2 monoclonal antibody, clone 3C6.



WB (Western Blot)
Western blot of STAG2 expression in NIH/3T3 cells with STAG2 monoclonal antibody, clone 3C6.



IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to STAG2 on HeLa cell. [antibody concentration 10 ug/ml]



IHC (Immunohistochemistry)
Anti-STAG2 antibody IHC of human breast. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31563531
NCBI GeneID	10735
NCBI Accession #	NP_006594.3
NCBI GenBank Nucleotide #	NM_006603.4
UniProt Accession #	Q8N3U4; O00540; Q5JTI6; Q68DE9; Q9H1N8; B1AMT5; D3DTF5
NCBI Official Full Name	cohesin subunit SA-2 isoform b
NCBI Official Synonym Full Names	stromal antigen 2
NCBI Official Symbol	STAG2
NCBI Official Synonym Symbols	SA2; SA-2; SCC3B; bA517O1.1
NCBI Protein Information	cohesin subunit SA-2; SCC3 homolog 2
UniProt Protein Name	Cohesin subunit SA-2
UniProt Gene Name	STAG2
UniProt Synonym Gene Names	SA2
UniProt Entry Name	STAG2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/stag2-antibody-clone-3c6-western-blot-immunohistochemistry-immunofluorescence-elisa/12354>