

Mouse anti-Human SOX12 Monoclonal Antibody | anti-SOX12 antibody

Mouse monoclonal antibody Anti-Human SOX12

CATALOG # AAA36452	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, Immunocytochemistry, Dot Blot
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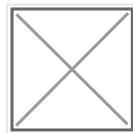
PRODUCT SYNONYMS

SOX12; Monoclonal Antibody; Mouse monoclonal antibody Anti-Human SOX12; Homo sapiens SRY (sex determining region Y)-box 12; SOX22; anti-SOX12 antibody

PRODUCT SPECIFICATIONS

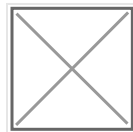
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	86C2a
Concentration	100 ug/ml (1.0 ml) (varies by lot)
Sequence Length	2909
Applicable Applications for anti-SOX12 antibody	WB (Western Blot), ICC (Immunocytochemistry), DB (Dot Blot)
Preparation	This antibody was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum.
Sterility	Filtered through a 0.22 um membrane.

IMAGES



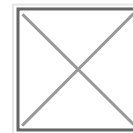
ICC (Immunocytochemistry)

Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100 in PBS. The cells were immunostained with anti-SOX12 mAb. [Lot No. 86C2a-1]



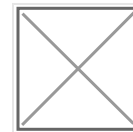
Quality Control #2

Arrow indicates the region of immunized recombinant protein carrying 50-200 amino acids.



WB (Western Blot)

Detection of human SOX12 by Western blot. Samples: Whole cell lysate (25 ug) from HT-1080 cells. [Lot No. 86C2a-1] Predicted molecular weight: 34 kDa



Quality Control

Western blot analysis of immunized recombinant protein, using anti-SOX12 monoclonal antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SOX12 antibody	Members of the SOX family of transcription factors are characterized by the presence of a DNA-binding high mobility group (HMG) domain, homologous to the HMG box of sex-determining region Y (SRY). Forming a subgroup of the HMG domain superfamily, SOX proteins have been implicated in cell fate decisions in a diverse range of developmental processes. SOX transcription factors have diverse tissue-specific expression patterns during early development and have been proposed to act as target-specific transcription factors and/or as chromatin structure regulatory elements. The protein encoded by this gene was identified as a SOX family member based on conserved domains and its expression in various tissues suggests a role in both differentiation and maintenance of several cell types. [NCBI Entrez Gene Summary]
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45501271
NCBI GeneID	6666
Molecular Weight	34,122 Da
NCBI Official Full Name	Homo sapiens SRY (sex determining region Y)-box 12, mRNA
NCBI Official Synonym Full Names	SRY (sex determining region Y)-box 12
NCBI Official Symbol	SOX12
NCBI Official Synonym Symbols	SOX22
NCBI Protein Information	transcription factor SOX-12; SOX-22 protein; SRY-related HMG-box gene 22
UniProt Protein Name	Transcription factor SOX-12
UniProt Gene Name	SOX12
UniProt Entry Name	SOX12_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/sox12-antibody-clone-86c2a-western-blot-immunocytochemistry-dot-blot-elisa/36452>