

Mouse anti-Human MFAP4 Monoclonal Antibody | anti-MFAP4 antibody

Anti-MFAP4 Antibody (clone AT12D11) IHC-plus

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52584	Mouse	Human	ELISA, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

MFAP4; Monoclonal Antibody; Anti-MFAP4 Antibody (clone AT12D11) IHC-plus; Mouse Monoclonal [clone AT12D11] (IgG1; k) to Human MFAP4; Human MFAP4; anti-MFAP4 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	AT12D11
Specificity	Human MFAP4
Purity/Purification	Protein A purified
Form/Format	PBS, pH 7.4, 0.02% Sodium Azide, 10% Glycerol
Concentration	1 mg/ml (varies by lot)
Sequence Length	255
Applicable Applications for anti-MFAP4 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	MFAP4 antibody was raised against recombinant human MFAP4 (22-255aa) purified from E Coli.
Immunogen Description	Recombinant human MFAP4 (22-255aa) purified from E Coli.
Immunogen Type	Recombinant protein
Target Species	Human
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 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	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



WB (Western Blot)

Western Blot: The extract of lung (30 ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human MFAP4 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



IHC (Immunohistochemistry)

Anti-MFAP4 antibody IHC staining of human breast. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-MFAP4 antibody	MFAP4 Antibody Description: MFAP4 is a protein with similarity to a bovine microfibril-associated protein. The protein has binding specificities for both collagen and carbohydrate. It is thought to be an extracellular matrix protein which is involved in cell adhesion or intercellular interactions. The gene is located within the Smith-Magenis syndrome region. Two transcript variants encoding different isoforms have been found for this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2506403
NCBI GeneID	4239
UniProt Accession #	P55083; Q6P680; A8KAJ1; A8MVM2; B4E317
NCBI Official Full Name	Microfibril-associated glycoprotein 4
NCBI Official Synonym Full Names	microfibrillar associated protein 4
NCBI Official Symbol	MFAP4
NCBI Protein Information	microfibril-associated glycoprotein 4
UniProt Protein Name	Microfibril-associated glycoprotein 4
UniProt Gene Name	MFAP4
UniProt Entry Name	MFAP4_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/mfap4-antibody-clone-at12d11-western-blot-immunohistochemistry-elisa/52584>