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MFAP5 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7319b

Specification

MFAP5 Antibody (C-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	Q13361
Other Accession	Q9QZJ6, Q28022
Reactivity	**Human**
Predicted	**Bovine, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Clone Names	**RB18639**
Calculated MW	**19612**
Antigen Region	**133-160**

MFAP5 Antibody (C-term) - Additional Information

Gene ID 8076

Other Names
Microfibrillar-associated protein 5, MFAP-5, MP25, Microfibril-associated glycoprotein 2, MAGP-2, MFAP5, MAGP2

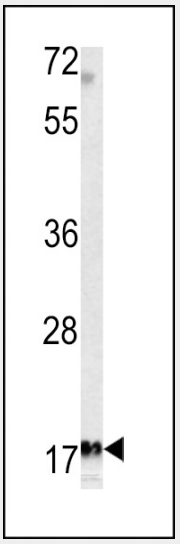
Target/Specificity
This MFAP5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 133-160 amino acids from the C-terminal region of human MFAP5.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

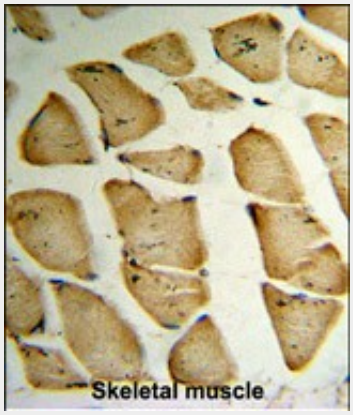
Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
MFAP5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.



Western blot analysis of MFAP5 antibody (C-term) (Cat.#AP7319b) in K562 cell line lysates (35ug/lane). MFAP5 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human Skeletal muscle reacted with MFAP5 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

MFAP5 Antibody (C-term) - Protein Information

Name MFAP5

Synonyms MAGP2

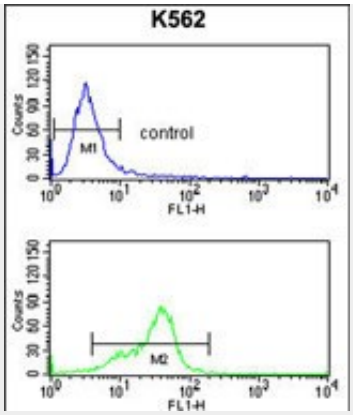
Function
May play a role in hematopoiesis. In the cardiovascular system, could regulate growth factors or participate in cell signaling in maintaining large vessel integrity (By similarity). Component of the elastin-associated microfibrils (PubMed:8557636).

Cellular Location
Secreted, extracellular space, extracellular matrix

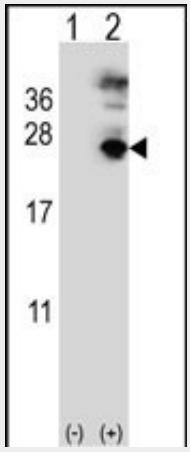
MFAP5 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture



MFAP5 Antibody (C-term) (Cat. #AP7319b) flow cytometry analysis of K562 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western blot analysis of MFAP5 (arrow) using rabbit polyclonal MFAP5 Antibody (C-term) (Cat. #AP7319b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the MFAP5 gene.

MFAP5 Antibody (C-term) - Background

MFAP5 is a 25-kD microfibril-associated glycoprotein which is rich in serine and threonine residues. The protein lacks a hydrophobic carboxyl terminus and proline-, glutamine-, and tyrosine-rich regions, which are characteristics of a related 31-kDa microfibril-associated glycoprotein (MFAP2). The close similarity between these two proteins is confined to a central region of 60 aa where precise alignment of 7 cysteine residues occurs. The structural differences suggest that this protein has some functions that are distinct from those of MFAP2.

MFAP5 Antibody (C-term) - References

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Miyamoto,A., Lau,R. J. Biol. Chem. 281 (15), 10089-10097 (2006)
Penner,A.S., Rock,M.J. J. Biol. Chem. 277 (38), 35044-35049 (2002)
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