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ADAMTS17 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21516c

Product Information

Application	IHC-P, WB, E
Primary Accession	Q8TE56
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB52740
Calculated MW	121127

Additional Information

Gene ID	170691
Other Names	A disintegrin and metalloproteinase with thrombospondin motifs 17, ADAM-TS 17, ADAM-TS17, ADAMTS-17, 3424-, ADAMTS17
Target/Specificity	This ADAMTS17 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 508-540 amino acids from the Central region of human ADAMTS17.
Dilution	IHC-P~~1:100 WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
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	ADAMTS17 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

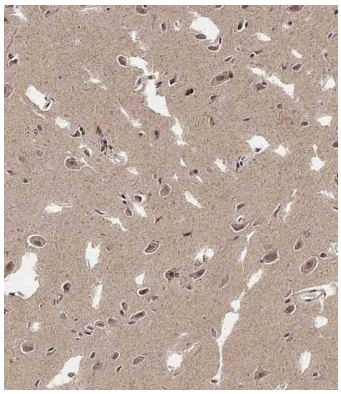
Name	ADAMTS17
Function	Extracellular metalloprotease that regulates skeletal development by modulating BMP-SMAD signaling and extracellular matrix microfibril organization, which controls chondrocyte differentiation and bone growth.

Cellular Location	Secreted, extracellular space, extracellular matrix
Tissue Location	Isoform 1 and isoform 2 are expressed at high levels in the lung, brain, whole eye and retina. Isoform 1 shows a weaker expression in the heart, kidney and skeletal muscle. Isoform 2 shows a weaker expression in the kidney, bone marrow and skeletal muscle. Isoform 1 and isoform 2 are expressed at high levels in the fetal heart, kidney, and whole eye, whereas a weak expression is seen in the fetal liver.

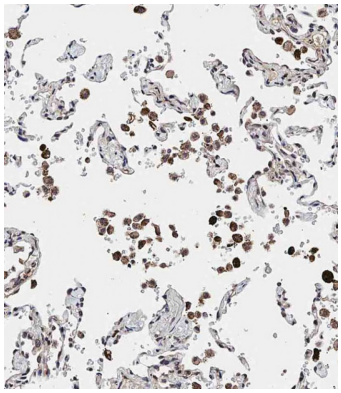
References

Cal S.,et al.Gene 283:49-62(2002).
Tan J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:671-675(2006).
Morales J.,et al.Am. J. Hum. Genet. 85:558-568(2009).

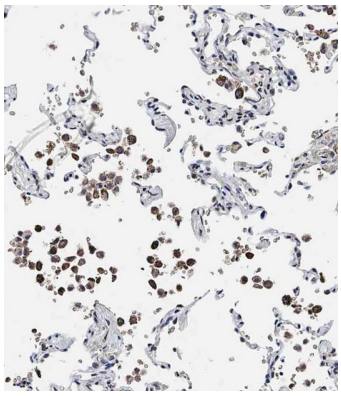
Images



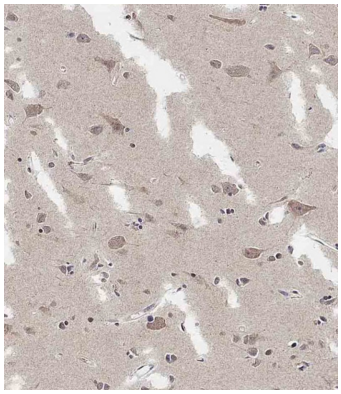
Immunohistochemical analysis of AP21516c on paraffin-embedded Human brain tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:100) for 1 hour at room temperature. Undiluted CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



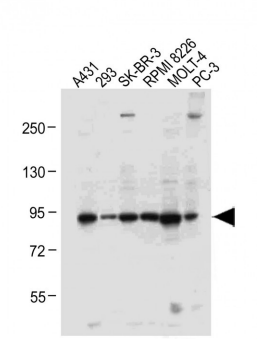
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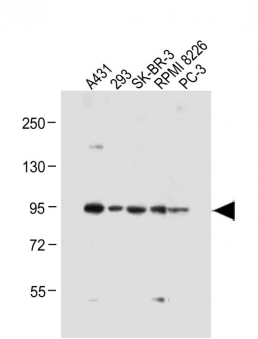
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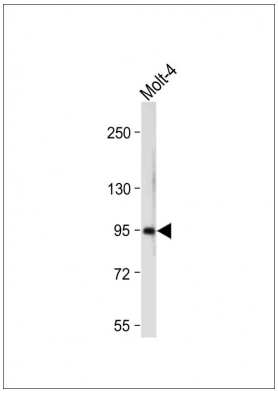
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All lanes : Anti-ADAMTS17 Antibody (Center) at 1:500 dilution Lane 1: A431 whole cell lysate Lane 2: 293 whole cell lysate Lane 3: SK-BR-3 whole cell lysate Lane 4: RPMI 8226 whole cell lysate Lane 5: MOLT-4 whole cell lysate Lane 6: PC-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 121 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

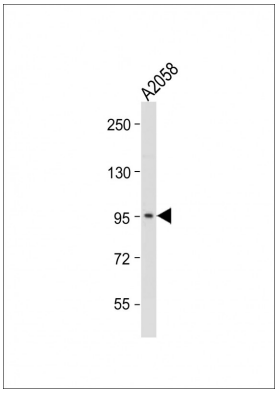


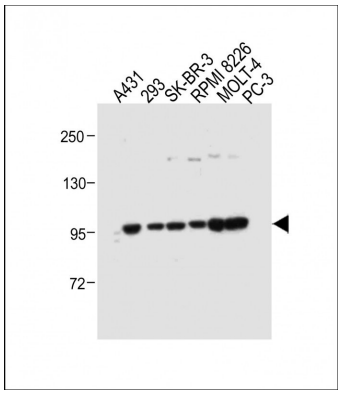
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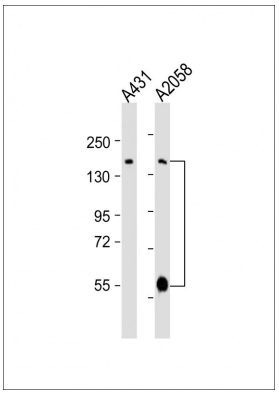
Anti-ADAMTS17 Antibody (Center) at 1:2000 dilution + Molt-4 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 121 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Anti-ADAMTS17 Antibody (Center) at 1:1000 dilution + A2058 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 121 kDa Blocking/Dilution buffer: 5% NFDM/TBST.





All lanes : Anti-ADAMTS17 Antibody (Center) at 1:500 dilution Lane 1: A431 whole cell lysate Lane 2: 293 whole cell lysate Lane 3: SK-BR-3 whole cell lysate Lane 4: RPMI 8226 whole cell lysate Lane 5: MOLT-4 whole cell lysate Lane 6: PC-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 121 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-ADAMTS17 Antibody (Center) at 1:2000 dilution Lane 1: A431 whole cell lysates Lane 2: A2058 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 121 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Citations

- Unusual life cycle and impact on microfibril assembly of ADAMTS17, a secreted metalloprotease mutated in genetic eye disease.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.