SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-ADAMTS5 Monoclonal Antibody

Catalog Number: SLA0986M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	3B5
GeneID:	11096
SWISS:	Q9UNA0
Target:	ADAMTS5
Immunogen:	Recombinant human ADAMTS5 protein
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) IHC-P (1:200-800) IHC-F (1:200-800) IF (1:200-800) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human,Mouse,Rat
Predicted MW.:	102 kDa
Background:	This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. Members of the family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The encoded preproprotein is proteolytically processed to generate the mature enzyme. This enzyme contains two C-terminal TS motifs and functions as an aggrecanase that cleaves aggrecan, a major proteoglycan of cartilage, and may mediate cartilage destruction in osteoarthritis. [provided by

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	RefSeq, Feb 2016]

[VALIDATION IMAGES]

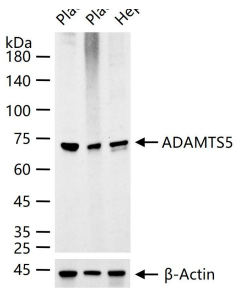


Figure 1. 25 ug total protein per lane of various lysates (see on figure) probed with ADAMTS5 monoclonal antibody, unconjugated (SLA0986M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

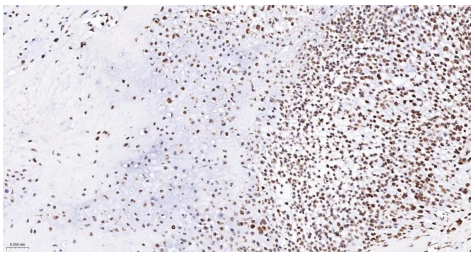


Figure 2. Paraformaldehyde-fixed, paraffin embedded Human Osteosarcoma; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with ADAMTS5 Monoclonal Antibody, Unconjugated (SLA0986M) at 1:400 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

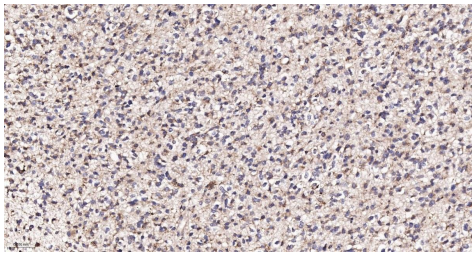


Figure 3. Paraformaldehyde-fixed, paraffin embedded Human Glioblastoma; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with ADAMTS5 Monoclonal Antibody, Unconjugated (SLA0986M) at 1:400 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

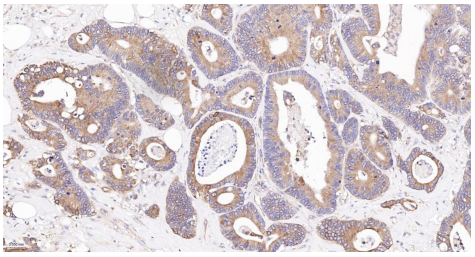


Figure 4. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with ADAMTS5 Monoclonal Antibody, Unconjugated (SLA0986M) at 1:400 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

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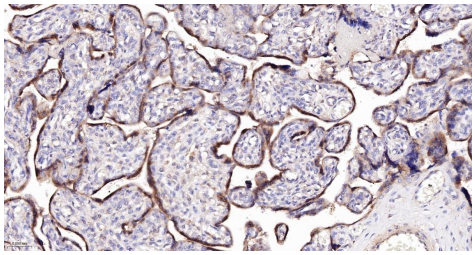


Figure 5. Paraformaldehyde-fixed, paraffin embedded Human Placenta; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with ADAMTS5 Monoclonal Antibody, Unconjugated (SLA0986M) at 1:500 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.
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