10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-ADAMTS10 Antibody

Catalog # AP60213

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q9H324
Reactivity	Human, Mouse, Rat, Pig, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	120874

Additional Information

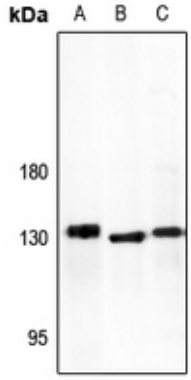
Gene ID	81794
Other Names	A disintegrin and metalloproteinase with thrombospondin motifs 10; ADAM-TS 10; ADAM-TS10; ADAMTS-10
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ADAMTS10. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

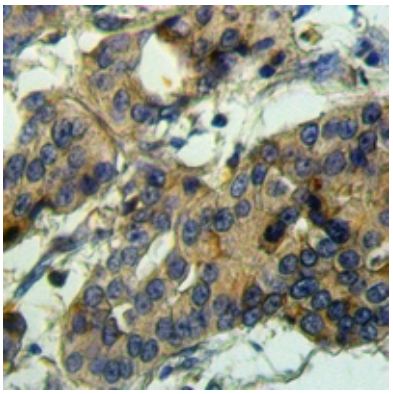
Name	ADAMTS10
Function	Metalloprotease that participate in microfibrils assembly. Microfibrils are extracellular matrix components occurring independently or along with elastin in the formation of elastic tissues.
Cellular Location	Secreted, extracellular space, extracellular matrix
Tissue Location	Widely expressed in adult tissues.

Images

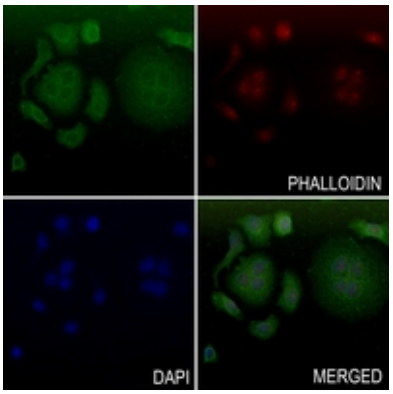
Western blot analysis of ADAMTS10 expression in U87MG (A), H9C2 (B), CT26 (C) whole cell lysates. (Predicted band



size: 120 kD; Observed band size: 130 kD)



Immunohistochemical analysis of ADAMTS10 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of ADAMTS10 staining in SGC7901 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).