

## Anti-ADAMTS13 Polyclonal Antibody 2

### Product Details

Ig Type:	IgG
Reactivity:	Human(predicted:Mouse,Rat,Dog,Pig,Cow,Horse)
Molecular Weight:	Theoretical: 145 kDa. Actual: 155 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	1. Sample: Liver (Mouse) Lysate at 40 µg Primary: Anti-ADAMTS13 (TMAB-02300) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 145 kD Observed band size: 155 kD
	2. Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-ADAMTS13 Polyclonal Antibody, Unconjugated (TMAB-02300) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
Application:	IHC-P,IHC-F,IF
Recommended	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human ADAMTS13
Antigen Species:	Human
Gene ID:	11093
Uniprot ID:	Q76LX8

### Research Background

This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motif) 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 enzyme encoded by this gene is the von Willebrand Factor (vWF)-cleaving protease, which is responsible for cleaving at the site of Tyr842-Met843 of the vWF molecule. A deficiency of this enzyme is associated with thrombotic thrombocytopenic purpura. Alternative splicing of this gene generates multiple transcript variants encoding

different isoforms. [provided by RefSeq, Nov 2008].

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