

Anti-ADAMTS13 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 145 kDa. Actual: 160 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. 25 ug total protein per lane of various lysates (see on figure) probed with ADAMTS13 polyclonal antibody, unconjugated (TMAB-02301) at 1: 1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.</p> <p>2. The A549 (H) cells were fixed with 4% PFA (10 min at r. T.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r. T.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-ADAMTS13 antibody (TMAB-02301): 1 µg/10⁶ cells; Isotype Control (orange): Rabbit IgG. Blank control (black): PBS. Acquisition of 20,000 events was performed.</p> <p>3. 4% Paraformaldehyde-fixed A549 (H) cell; Triton X-100 at r. T. for 20 min; Antibody incubation with (ADAMTS13) polyclonal Antibody, unconjugated (TMAB-02301) 1: 100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, BF488) at 37°C for 90 min, DAPI (blue) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.</p>
Application:	ELISA,FCM,ICC/IF
Recommended	ELISA=1:5000-10000,FCM=1µg/Test,ICC/IF=1:50-200

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:	Recombinant Protein: human ADAMTS13 protein
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

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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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