

Anti-ADAMTSL2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat)
Molecular Weight:	Theoretical: 102 kDa. Actual: 135 kDa.
Purification:	Protein A purified

Applications

Sample:	Lane 1: Human SH-SY5Y cell lysates Lane 2: Human HepG2 cell lysates
Verified Activity:	Primary: Anti-ADAMTSL2 (TMAB-02306) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 102 kDa Observed band size: 135 kDa
Application:	WB
Recommended	WB: 1:500-2000

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 ADAMTSL2
Antigen Species:	Human
Gene ID:	9719
Uniprot ID:	Q86TH1

Research Background

ADAMTS (A Disintegrin And Metalloproteinase Domain with Thrombospondin type 1 Modules) is a family of zinc-dependent proteases that are implicated in a variety of normal and pathological conditions, including arthritis and cancer. ADAMTS protein family members contain an amino-terminal propeptide domain, a metalloproteinase domain, a disintegrin-like domain and a carboxy-terminus that contains a varying number of Thrombospondin type 1 (TSP-1) motifs. ADAMTS-L2 (ADAMTS-like protein 2) is a 951 amino acid secreted protein that is highly expressed in lung, kidney and liver. Mutations in the gene encoding ADAMTS are the cause of geleophysic dysplasia, an autosomal recessive disorder characterized by cardiac valvular anomalies, short stature, thick skin and brachydactyly. In individuals affected with geleophysic dysplasia, there is a significant increase in total active TGF-beta 1 and nuclear locations of p-SAMD2 in fibroblasts. Interestingly, ADAMTS-L2 interacts with LTBP-1, a glycoprotein that is part of the platelet-derived TGF-beta 1 complex.

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