

**MONOCLONAL ANTIBODY TO  
HUMAN PUNCTIN-1, ADAMTSL-1  
clone 1B2-8-2**



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<b>Catalog nr</b>	HM2169 (lot number and expiry date are indicated on the label)
<b>Description</b>	<p>Monoclonal antibody 1B2-8-2 reacts with Punctin-1 (ADAMTSL-1). Punctin-1 is a secreted molecule resembling members of the family of proteases designated ADAMTS (a disintegrin-like and metalloprotease domain with thrombospondin type I motif). ADAMTS proteases are secreted enzymes that consist of a metalloprotease domain (which provides the catalytic activity) and ancillary domains (which provide substrate, cell or extracellular matrix activity). Punctin-1 lacks the pro-metalloprotease and the disintegrin-like domain typical of this family but contains other ADAMTS domains in precise order including 4 thrombospondin-I repeats. Punctin-1 is an extracellular matrix protein in tissues and deposited into the cell substratum and localized towards the periphery of transfected cells. Punctin-1 and Punctin-2 (ADAMTSL-3) are the first members of a novel family of ADAMTS-like proteins that appear to have important functions in the extracellular matrix.</p> <p>Monoclonal antibody 1B2-8-2 recognizes the first thrombospondin repeat near the N-terminal and reacts with molecular species of 55 kDa or a doublet of 55 k Da and 60 kDa (glycosylated form). Note that proteolysis of Punctin-1 has been described and additional smaller bands may also be obtained.</p>
<b>Species</b>	Mouse IgG <sub>2b</sub>
<b>Formulation</b>	1 ml (100 µg/ml) 0.2 µm filtered antibody solution in PBS containing 0.1% bovine serum albumin and 0.02% sodium azide.
<b>Application</b>	The monoclonal antibody 1B2-8-2 can be used for immuno assays and Western blotting. For Western blotting applications the antibody works better in non-reducing than reducing conditions although it will also recognize the reduced antigen at correspondingly higher concentrations.
<b>Use</b>	For Western blotting dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions.
<b>Storage and stability</b>	Product should be stored at 4°C. Under recommended storage conditions, product is stable for one year.
<b>Precautions</b>	For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and Federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result with the use of or derivation of this product.
<b>References</b>	1. Hirohata, S et al; Punctin, a novel ADAMTS-like molecule, ADAMTSL-1, in extracellular matrix. J Biol Chem 2002, 277: 12182
<b>Also available</b>	HM2194            Monoclonal antibody against Human Punctin-1, clone 1B2-8-14