

10-3551: Monoclonal Antibody to human Punctin-1(Discontinued)

Clonality :	Monoclonal
Clone Name :	1B2-8-14
Application :	WB
Reactivity :	Human
Gene :	ADAMTSL1
Gene ID :	92949
Uniprot ID :	Q8N6G6
Alternative Name :	ADAMTSR1, C9orf94, Punctin-1
Isotype :	Mouse IgG2b

Description

Monoclonal antibody 1B2-8-14 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. Monoclonal antibody 1B2-8-14 recognizes the spacer domain and reacts with molecular species of 55 kDa or a doublet of 55 kDa and 60 kDa (glycosylated form). Note that proteolysis of Punctin-1 has been described and additional smaller bands may also be obtained.

Product Info

Amount :	1(Discontinued) / 500 µg
Content :	0.5 mg 0.2 µm filtered antibody solution in PBS containing 0.1% bovine serum albumin and 0.02% sodium azide.
Storage condition :	Product should be stored at 4 °C. Under recommended storage conditions, product is stable for one year.

Application Note

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.