

## **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 |
| lsotype :          | 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 prometalloprotease 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 $0.2~\mu m$ 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.