

Datasheet for ABIN1589802
anti-Podoplanin antibody



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1 Publication

Overview

Quantity:	100 µg
Target:	Podoplanin (PDPN)
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Podoplanin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Podoplanin antibody
Immunogen:	Membrane protein fraction of isolated rat glomeruli
Clone:	LF3(B7D5B3)
Isotype:	IgG
Specificity:	Membrane protein fraction of isolated rat glomeruli
Characteristics:	Chromosomal location: 5q36 Monoclonal antibodies were produced with the help of BALB/c mice using a membrane protein fraction of isolated rat glomeruli as the immunizing antigen.
Purification:	The mouse IgG antibody (#LF3(B7)D5B3) from hybridomas was purified from cell culture supernatant by Protein G chromatography.

Target Details

Target:	Podoplanin (PDPN)
Alternative Name:	Podoplanin (PDPN Products)
Background:	Pdpn, E11, Gp38, OTS-8, RTI40, T1-alpha, Podoplanin is a well-recognized lymphatic endothelium marker, which can be used to reliably distinguish lymphatic vessels from blood vessels. It was originally discovered in kidney podocytes. This mouse monoclonal antibody (IgG) against rat podoplanin works well for immunohistochemistry with formalin-fixed paraffin embedded sections. This antibody also can be used in FACS sorting.
Gene ID:	54320
NCBI Accession:	NM_019358 , NP_062231
UniProt:	Q64294
Pathways:	Dicarboxylic Acid Transport

Application Details

Application Notes:	Western Blot: use at 1-5 µg/mL
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL.
Buffer:	PBS
Handling Advice:	Centrifuge vial prior to opening.
Storage:	4 °C, -20 °C
Storage Comment:	The lyophilized antibody is stable for at least 2 years at -20°C. After sterile reconstitution the antibody is stable at 2-8°C for up to 6 months. Frozen aliquots are stable for at least 6 months when stored at -20°C. Addition of a carrier protein or 50% glycerol is recommended for frozen aliquots.
Expiry Date:	24 months

Publications

Product cited in: Weinkopff, Mackenzie, Eversole, Lammie: "Filarial excretory-secretory products induce human monocytes to produce lymphangiogenic mediators." in: **PLoS neglected tropical diseases**, Vol. 8, Issue 7, pp. e2893, (2014) ([PubMed](#)).