

Anti-PDPN antibody (23-100 aa) [ABT360] (STJ197273)

STJ197273

GENERAL INFORMATION

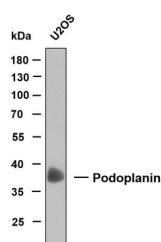
Product Type	Primary antibodies
Short Description	Mouse monoclonal antibody anti-Podoplanin (23-100 aa) is suitable for use in Immunohistochemistry and Western Blot research applications.
Applications	IHC/WB
Host/Source	Mouse
Reactivity	Human

PRODUCT PROPERTIES

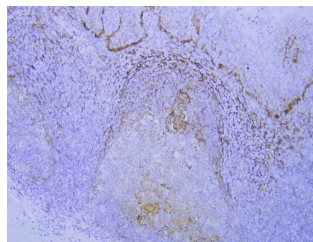
Clonality	Monoclonal
Clone ID	ABT360
Concentration	Unconjugated
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution Range	IHC-P 1:200-400 WB 1:200-1000
Formulation	Liquid in PBS pH7.2, 0.03% Proclin 300, with stabilizing protein.
Isotype	IgG2bk
Storage	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.
Instruction	

TARGET INFORMATION

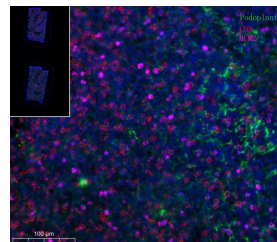
Gene ID	10630
Gene Symbol	PDPN
Uniprot ID	PDPN_HUMAN
Immunogen	Synthesized peptide derived from the human Podoplanin at the amino acid range 23-100
Immunogen Region	23-100 aa
Specificity	The antibody can specifically recognize human Podoplanin protein. In western blotting of U2O2 cell lysate, the antibody can label a 36 kDa band corresponding to Podoplanin.
Immunogen Sequence	



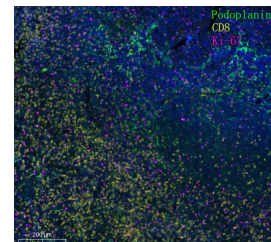
Whole cell lysates of U2OS were separated by 10% SDS-PAGE and the membrane was blotted with anti-Podoplanin (ABT360) antibody. The HRP-conjugated anti-mouse IgG antibody was used to detect the antibody. Predicted band size: 24 (36) kDa



Human tonsil tissue was stained with Podoplanin (ABT360) Antibody



Fluorescence multiplex immunohistochemical analysis of Human tonsil tissue (formalin-fixed paraffin-embedded section). Merged staining of Anti-Podoplanin (STJ197273), Anti-CD8 (STJ197218), Anti-MCM2. The immunostaining was performed on a Leica Biosystems BOND[®] MAX instrument with an Sextuple-Fluorescence kit. The section was incubated in 3 rounds of staining; sequentially for Anti-Podoplanin (STJ197273 1:200), Anti-CD8 (STJ197218 1:200), Anti-MCM2 (1:200). Each using a separate fluorescent tyramide signal amplification system. EDTA based antigen retrieval (Leica Biosystems BOND[®] Epitope Retrieval Solution 2, pH 9.0, 20 minutes) was used in between rounds of tyramide signal amplification to remove the antibody from the previous round, to avoid any cross-reactivity. DAPI (dark blue) was used as a nuclear counter stain. Microscopy and pseudocoloring of individual dyes was performed using a Slideviewer Imaging System (3D histech).



Fluorescence multiplex immunohistochemical analysis of Human tonsil tissue (formalin-fixed paraffin-embedded section). Merged staining of Anti-Podoplanin (STJ197273), Anti-CD8 (STJ197218), Anti-Ki-67 (STJ197092). The immunostaining was performed on a Leica Biosystems BOND[®] MAX instrument with an Sextuple-Fluorescence kit. The section was incubated in 3 rounds of staining; sequentially for Anti-Podoplanin (STJ197273 1:200), Anti-CD8 (STJ197218 1:200), Anti-Ki-67 (STJ197092 1:200); each using a separate fluorescent tyramide signal amplification system. EDTA based antigen retrieval (Leica Biosystems BOND[®] Epitope Retrieval Solution 2, pH 9.0, 20 minutes) was used in between rounds of tyramide signal amplification to remove the antibody from the previous round, to avoid any cross-reactivity. DAPI (dark blue) was used as a nuclear counter stain. Microscopy and pseudocoloring of individual dyes was performed using a Slideviewer Imaging System (3D histech).

This product is suitable for in-vitro studies under the RESEARCH USE ONLY [RUO] licence. This product must not be used as for diagnostic or other medical purposes.
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