

PDLIM1-1

Uniprot ID: O00151

Protein name: PDL1_HUMAN

Full name: PDZ and LIM domain protein 1

Protein existence: evidence at protein level

Function: Cytoskeletal protein that may act as an adapter that brings other proteins (like kinases) to the cytoskeleton.

Three antibodies: PDLIM1-1, PDLIM1-2 and PDLIM1-3 were tested. PDLIM1-1 was selected for full protein profiling.

PDLIM1-1 (CAB072838)

OK

Immunohistochemistry

IHC protocol: HIER pH 6, Dilution 1:45000

IHC test staining: Weak cytoplasmic staining in heart muscle and gastrointestinal tract.

IHC Annotators comments

Most normal tissues displayed weak to moderate cytoplasmic positivity with additional membranous and/or nuclear staining in several cases. Cerebellum, glial cells, pancreas and hepatocytes were negative.

Weak to moderate cytoplasmic and/or membranous staining was observed in most cancer tissues. Additional nuclear staining was exhibited in lymphomas, thyroid and few urothelial cancers. Gliomas, melanomas, hepatocellular carcinomas, pancreatic and prostate cancers were mostly negative.

Immunofluorescence

IF Overlay: antibody (green), anti-tubuline (red) and DAPI (blue)

IF Localization: Positivity in actin filaments.

IF Validation: The subcellular location is supported by literature

Western blot

WB Size markers (kDa): 250, 130, 95, 72, 55, 36, 28, 17, 10

WB Lanes: Marker(1), RT-4(2), U251 MG(3), Plasma(4), Liver(5), Tonsil(6)

WB Target weight (kDa): 36.1

WB Validation: Supportive (Band of predicted size in kDa (+/-20%) with additional bands present)

