

CPTC-CD48-1(CAB080015)

Uniprot ID: [P09326](#)

Protein name: CD48_HUMAN

Full name: CD48 antigen

Function: Ligand for CD2. Might facilitate interaction between activated lymphocytes. Probably involved in regulating T-cell activation.

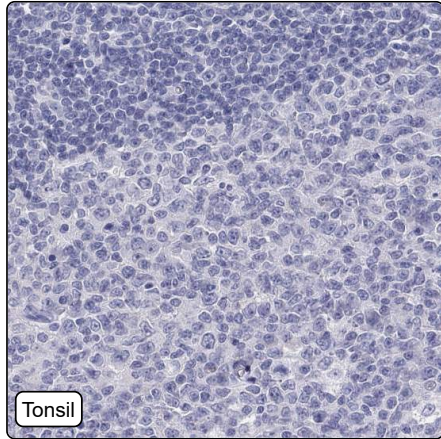
Subcellular location:

Cell membrane (*experimental evidence*) (Topo: Lipid-anchor,GPI-anchor (*experimental evidence*))

Protein existence: Experimental evidence at protein level

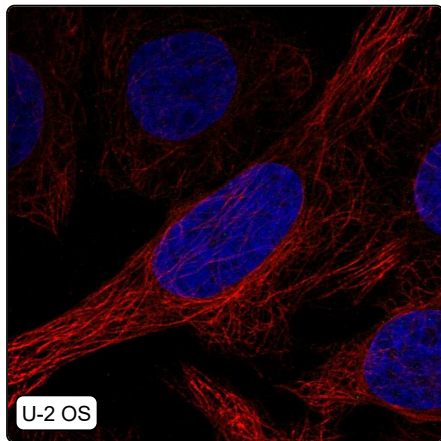
Comment: ICC-IF: We will repeat the staining with this antibody one more time in Jurkat, which is the only cell line in our panel that express this gene at RNA level.
/Ulrika Axelsson

Immunohistochemistry



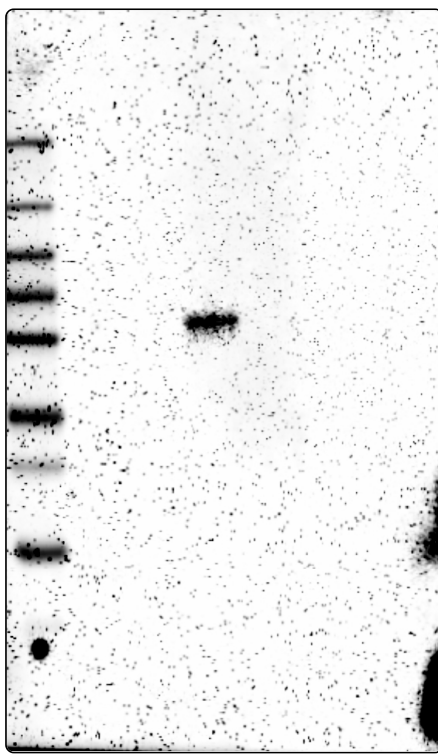
IHC protocol:	HIER pH6, Dilution 1:250
IHC test staining:	Negative in all tissues.
Literature conformance:	Not consistent with gene/protein characterization data
Literature significance:	
RNA similarity:	Very low consistency between antibody staining and RNA expression data
RNA tissue specificity:	Tissue enhanced (blood,lymphoid tissue)
RNA tissue distribution:	Detected in many
IHC Sibling similarity:	Other antibody shows dissimilar IHC staining pattern

Immunofluorescence



IF Overlay:	antibody (green), anti-tubuline (red) and DAPI (blue)
IF main location:	
IF additional location:	
IF Antibody score:	Approved
IF in U-2 OS:	Negative

Western blot



WB Size markers (kDa):	250, 130, 100, 70, 55, 35, 25, 15, 10
WB Lanes:	Marker (1), RT4 (2), U-251 MG (3), Plasma (4), Liver (5), Tonsil (6)
WB Target weight (kDa):	19, 28, 29
WB Validation:	Uncertain (Single band larger than predicted size in kDa (+20%) but partly supported by experimental and/or bioinformatic data.)