

**AP20383PU-N****Polyclonal Antibody to 4-1BBL / TNFSF9 - Aff - Purified**

<b>Alternate names:</b>	4-1BB ligand, CD137L, Tumor necrosis factor ligand superfamily member 9
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	CD137, also designated ILA and 4-1BB in mouse, belongs to the tumor necrosis factor receptor family and delivers a costimulatory signal to T lymphocytes. CD137 is expressed on activated T cells and binds an inducible ligand that is found on B cells, macrophages and dendritic cells. Interactions between CD137 and its ligand are involved in antigen presentation and the generation of cytotoxic T cells. Crosslinking of the CD137 ligand induces apoptosis in resting lymphocytes. In contrast, CD137 regulates peripheral monocyte survival by inducing a cytokine release profile, and is mediated by M-CSF and to a lesser extent by granulocyte-macrophage colony-stimulating factor and IL-3. Soluble forms of CD137 are found in sera from patients with rheumatoid arthritis and may provide a negative control mechanism for immune responses.
<b>Uniprot ID:</b>	<a href="#">P41273</a>
<b>NCBI:</b>	<a href="#">NP_003802</a>
<b>GenelD:</b>	<a href="#">8744</a>
<b>Host:</b>	Rabbit
<b>Immunogen:</b>	Synthetic peptide, corresponding to amino acids 50-100 of Human 4-1BBL.
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction (> 95% by SDS-PAGE) <b>Purification:</b> Immunoaffinity Chromatography <b>Buffer System:</b> PBS, pH 7.2 <b>Preservatives:</b> 0.05% Sodium Azide
<b>Applications:</b>	<b>Western Blot:</b> 1/500-1/1000. <b>Immunofluorescence:</b> 1/50-1/200. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Molecular Weight:</b>	~ 26 kDa
<b>Specificity:</b>	This antibody detects endogenous levels of 4-1BBL protein. (region surrounding Arg69)
<b>Species Reactivity:</b>	<b>Tested:</b> Human. <b>Expected from sequence similarity:</b> Mouse, Rat.
<b>Storage:</b>	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

## Pictures:

**Western blot (WB) analysis of 4-1BBL antibody Cat.-No. AP20383PU-N) at 1/500 dilution:**  
Lane 1: Hela cell lysate.  
Lane 2: sp2/0 cell lysate.  
Lane 3: Rat liver tissue lysate.  
Lane 4: H9C2 cell lysate.

