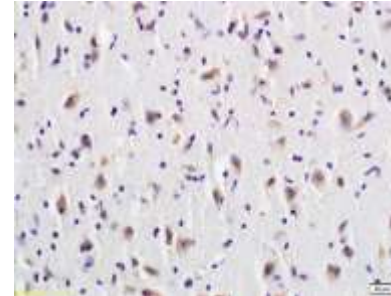


CD137/4-1BB Antibody

CATALOG NO:	A1087-50
ALTERNATIVE NAMES:	ILA; 4-1BB; CD137; CDw137; Tumor necrosis factor receptor superfamily member 9; 4-1BB ligand receptor; T-cell antigen 4-1BB homolog; T-cell antigen ILA; TNFRSF9
AMOUNT:	50 µl
IMMUNOGEN:	KLH conjugated synthetic peptide within Human CD137 aa 115-165
MOLECULAR WEIGHT:	27 kDa
HOST/ISOTYPE:	Rabbit IgG
SPECIES REACTIVITY:	Human, Mouse, Rat
FORM:	Liquid
FORMULATION:	Supplied in 0.01M TBS (pH7.4) with 1%BSA, 0.03% Proclin300 and 50% Glycerol
STORAGE CONDITIONS:	Store at -20°C in small aliquots to prevent freeze-thaw cycles.
DESCRIPTION:	4-1BB is also known as CD137, tumor necrosis factor receptor superfamily member 9 (TNFRSF9), induced by lymphocyte activation (ILA), is a co-stimulatory molecule of the tumor necrosis factor (TNF) receptor superfamily. CD137 can be expressed by activated T cells, but to a larger extent on CD8 than on CD4 T cells. In addition, CD137 expression is found on dendritic cells, follicular dendritic cells, natural killer cells, granulocytes and cells of blood vessel walls at sites of inflammation. The best characterized activity of CD137 is its costimulatory activity for activated T cells. Crosslinking of CD137 enhances T cell proliferation, IL-2 secretion survival and cytolytic activity. Further, it can enhance immune activity to eliminate tumors in mice. CD137 can enhance activation-induced T cell apoptosis when triggered by engagement of the TCR/CD3 complex. In addition, 4-1BB/4-1BBL co-stimulatory pathway has been shown to augment secondary CTL responses to several viruses, and meanwhile augment anti-tumor immunity. 4-1BB thus is a promising candidate for immunotherapy of human cancer. CD137 has been shown to interact with TRAF.
APPLICATION:	IHC: 1:100 – 1:500

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Immunohistochemical analysis of formalin fixed paraffin-embedded rat brain tissue, labeling CD137 using CD137 at a 1:600 dilution, followed by conjugation to the secondary antibody and DAB staining.

RELATED PRODUCTS

- CD223 (LAG3) Polyclonal Antibody (Cat. No. A1067-100)
- CD86 Polyclonal Antibody (Cat. No. A1068-100)
- Tim-3 Antibody (Cat. No. 3808-100)
- PD-1/PDCD1 Antibody (Cat. No. 6931-50)
- CD160 Polyclonal Antibody (Cat. No. A1072-100)
- HVEM / TNFRSF14 Antibody (Cat. No. A1084-100)
- Human CellExp™ 4-1BB / TNFRSF9, Human recombinant (Cat. No. 9227-10, -50)

FOR RESEARCH USE ONLY! Not to be used on humans.