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Datasheet for ABIN736701

anti-CD86 antibody (AA 140-175)

5 Images

12 Publications

Overview

Quantity:	100 µL
Target:	CD86
Binding Specificity:	AA 140-175
Reactivity:	Human, Mouse, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Application:	Flow Cytometry (FACS), Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from rat CD86
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse, Rat
Predicted Reactivity:	Cow, Sheep, Pig
Purification:	Purified by Protein A.

Target Details

Target:	CD86
Alternative Name:	CD86 (CD86 Products)

Target Details

Background:	Synonyms: B7-2, Cd86 antigen, Cd86, Membrane glycoprotein Background: This gene encodes a type I membrane protein that is a member of the immunoglobulin superfamily. This protein is expressed by antigen-presenting cells, and it is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of this protein with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of this protein with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response. Alternative splicing results in several transcript variants encoding different isoforms.
Gene ID:	56822
UniProt:	O35531
Pathways:	TCR Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Activation of Innate immune Response , Cellular Response to Molecule of Bacterial Origin , Positive Regulation of Immune Effector Process , Activated T Cell Proliferation

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

Product cited in: Lee, Yu, Trimpert, Benthani, Mairhofer, Richter-Pechanska, Wyler, Belenki, Kaltenbrunner, Pammer, Kausche, Firsching, Dietert, Schotsaert, Martínez-Romero, Singh, Kunz, Niemeyer, Ghanem, Salzer, Paar et al.: "Virus-induced senescence is a driver and therapeutic target in COVID-19. ..." in: **Nature**, Vol. 599, Issue 7884, pp. 283-289, (2021) ([PubMed](#)).

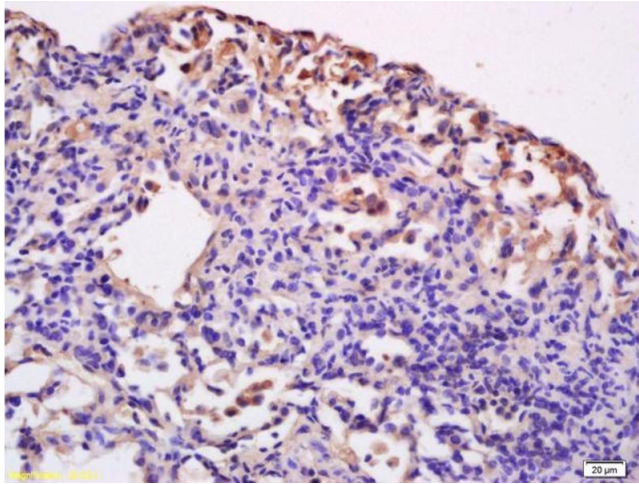
Han, Wang, Qin, Xia, Wu: "LPS alters the immuno-phenotype of glioma and glioma stem-like cells and induces in vivo antitumor immunity via TLR4." in: **Journal of experimental & clinical cancer research : CR**, Vol. 36, Issue 1, pp. 83, (2018) ([PubMed](#)).

Chen, Zhang, Wang, Chen, Yan, Zhang, Zhang: "Peptide-modified chitosan hydrogels promote skin wound healing by enhancing wound angiogenesis and inhibiting inflammation." in: **American journal of translational research**, Vol. 9, Issue 5, pp. 2352-2362, (2017) ([PubMed](#)).

Zhang, Zhang, Yin, Li, Bao, Chen: "Variation and significance of secretory immunoglobulin A, interleukin 6 and dendritic cells in oral cancer." in: **Oncology letters**, Vol. 13, Issue 4, pp. 2297-2303, (2017) ([PubMed](#)).

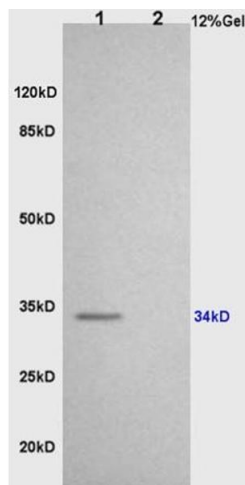
Gerzanich, Makar, Guda, Kwon, Stokum, Woo, Ivanova, Ivanov, Mehta, Morris, Bryan, Bever, Simard: "Salutary effects of glibenclamide during the chronic phase of murine experimental autoimmune encephalomyelitis." in: **Journal of neuroinflammation**, Vol. 14, Issue 1, pp. 177, (2017) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



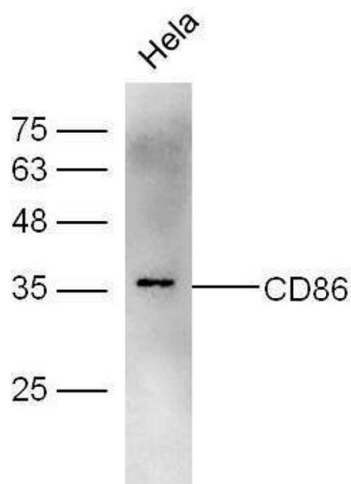
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat lung labeled with Anti-CD86/B7-2 Polyclonal Antibody, Unconjugated (ABIN736701) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



SDS-PAGE

Image 2. L1 rat brain lysates L2 rat heart lysates probed with Anti CD86/B7-2 Polyclonal Antibody, Unconjugated (ABIN736701) at 1:200 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:3000 for 90 min at 37 °C. Predicted band 34kD. Observed band size:34kD.



Western Blotting

Image 3. HeLa cell lysates probed with Rabbit Anti-CD86 Polyclonal Antibody, Unconjugated at 1:500 for 90 min at 37°C.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN736701.