

CD86 Polyclonal Antibody

Rabbit Anti Human Polyclonal Antibody
Catalog # ABV11714

Product Information

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|--------------------------|------------------------|
| Application | WB |
| Primary Accession | P42081 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Calculated MW | 37682 |

Additional Information

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|-------------------------------------|---|
| Gene ID | 942 |
| Positive Control | WB |
| Application & Usage | WB~~1:1000 |
| Other Names | T-lymphocyte activation antigen CD86, Activation B7-2 antigen, B70, BU63, CTLA-4 counter-receptor B72, FUN-1, CD86, CD86, CD28LG2 |
| Target/Specificity | CD86 |
| Antibody Form | Liquid |
| Appearance | Colorless liquid |
| Formulation | PBS with 0.09% (W/V) sodium azide. |
| Handling | The antibody solution should be gently mixed before use. |
| Reconstitution & Storage | -20 °C |
| Background Descriptions | |
| Precautions | CD86 Polyclonal Antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

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|-----------------|--|
| Name | CD86 |
| Synonyms | CD28LG2 |
| Function | Receptor involved in the costimulatory signal essential for T-lymphocyte proliferation and interleukin-2 production, by binding CD28 or CTLA-4 |

(PubMed:[12196291](#)). May play a critical role in the early events of T-cell activation and costimulation of naive T-cells, such as deciding between immunity and anergy that is made by T-cells within 24 hours after activation (PubMed:[7527824](#)). Also involved in the regulation of B cells function, plays a role in regulating the level of IgG(1) produced. Upon CD40 engagement, activates NF-kappa-B signaling pathway via phospholipase C and protein kinase C activation (By similarity).

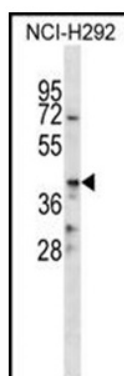
Cellular Location Cell membrane; Single-pass type I membrane protein

Tissue Location Expressed by activated B-lymphocytes and monocytes.

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 two transcript variants encoding different isoforms. Additional transcript variants have been described, but their full-length sequences have not been determined.

Images



Western blot analysis of CD86 in NCI-H292 cell line lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.