

CD80 Rabbit mAb
Catalog # AP79032**Specification****CD80 Rabbit mAb - Product Information**

Application	WB, IHC
Primary Accession	P33681
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	33048

CD80 Rabbit mAb - Additional Information

Gene ID 941

Other Names

CD80

Dilution

WB~~1/500-1/1000

IHC~~1/50-1/100

Format

Liquid

CD80 Rabbit mAb - Protein Information

Name CD80

Synonyms CD28LG, CD28LG1, LAB7

Function

Costimulatory molecule that belongs to the immunoglobulin superfamily that plays an important role in T-lymphocyte activation (PubMed:38467718). Acts as the primary auxiliary signal augmenting the MHC/TCR signal in naive T-cells together with the CD28 receptor which is constitutively expressed on the cell surface of T-cells (PubMed:12196291). In turn, activates different signaling pathways such as NF-kappa-B or MAPK leading to the production of different cytokines (PubMed:10438913). In addition, CD28/CD80 costimulatory signal stimulates glucose metabolism and ATP synthesis of T-cells by activating the PI3K/Akt signaling pathway (PubMed:12121659). Acts also as a regulator of PDL1/PDCD1 interactions to limit excess engagement of PDL1 and its inhibitory role in immune responses (PubMed:36727298). Expressed on B-cells, plays a critical role in regulating interactions between B-cells and T-cells in both early and late germinal center responses, which

are crucial for the generation of effective humoral immune responses (By similarity).

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

Expressed on activated B-cells, macrophages and dendritic cells

CD80 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD80 Rabbit mAb - Images



