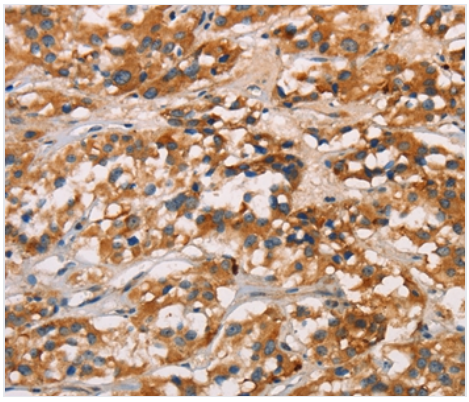
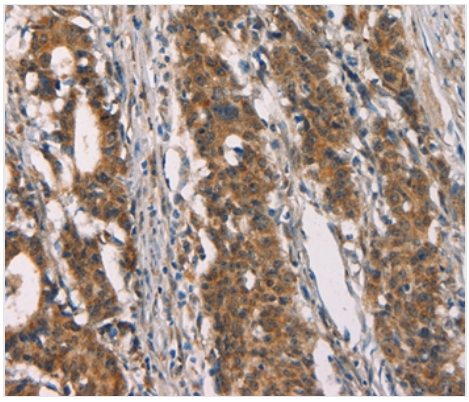
CD80 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD80, Polyclonal Antibody
Full Product Name	CD80 Antibody
Product Gene Name	anti-CD80 antibody
Product Synonym Names	B7; BB1; B7-1; B7.1; LAB7; CD28LG; CD28LG1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.3 PBS, 0.05% NaN3, 50% Glycerol.
Purity/Purification	Antigen affinity purification.
Concentration	3.5 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total CD80 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	18,761 Da
OMIM	112203
3D Structure	ModBase 3D Structure for P33681
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human CD80 molecule
Target Name	CD80
Product Categories/Family for anti-CD80 antibody	Total protein Ab
Applications Tested/Suitable for anti-CD80 antibody	Immunohistochemistry (IHC)
Application Notes for anti-CD80 antibody	Immunohistochemistry: 1:50-1:200
Related Product Information for anti-CD80 antibody	The protein encoded by this gene is a membrane receptor that is activated by the binding of CD28 or CTLA-4. The activated protein induces T-cell proliferation and cytokine production. This protein can act as a receptor for adenovirus subgroup B and may play a role in lupus neuropathy.
Other Notes	Small volumes of anti-CD80 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD80 purchase	MBS9401444 is an antibody targeting CD80. Also known as CD80 Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-CD80 antibody
Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using at dilution 1/50.



Immunohistochemistry (IHC) of anti-CD80 antibody
Immunohistochemical analysis of paraffin-embedded Human gastric cancer tissue using at dilution 1/50.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD80. It may not necessarily be applicable to this product.

NCBI GI #	4885123
NCBI GeneID	941
NCBI Accession #	NP_005182.1
UniProt Primary Accession #	P33681
UniProt Secondary Accession #	Q5DTA9; Q5DTB0
UniProt Related Accession #	P33681
GenBank Nucleotide #	NM_005191.3
NCBI Official Full Name	T-lymphocyte activation antigen CD80
NCBI Official Synonym Full Names	CD80 molecule
NCBI Official Symbol	CD80
NCBI Official Synonym Symbols	B7; BB1; B7-1; B7.1; LAB7; CD28LG; CD28LG1
UniProt Protein Name	T-lymphocyte activation antigen CD80
UniProt Synonym Protein Names	Activation B7-1 antigen; BB1; CTLA-4 counter-receptor B7.1; B7; CD_antigen: CD80
Protein Family	T-lymphocyte activation antigen
UniProt Gene Name	CD80
UniProt Synonym Gene Names	CD28LG; CD28LG1; LAB7; B7
UniProt Entry Name	CD80_HUMAN
NCBI Protein Information	T-lymphocyte activation antigen CD80

UniProt Comments for CD80	CD80: Involved in the costimulatory signal essential for T- lymphocyte activation. T-cell proliferation and cytokine production is induced by the binding of CD28 or CTLA-4 to this receptor. Protein type: Immunoglobulin superfamily; Membrane protein, integral Chromosomal Location of Human Ortholog: 3q13.3-q21 Cellular Component: cell surface; integral to membrane; plasma membrane; external side of plasma membrane Molecular Function: protein binding; coreceptor activity Biological Process: epidermal growth factor receptor signaling pathway; phosphoinositide-mediated signaling; fibroblast growth factor receptor signaling pathway; T cell activation; nerve growth factor receptor signaling pathway; viral reproduction; positive regulation of signal transduction; positive regulation of interleukin-2 biosynthetic process; positive regulation of transcription, DNA-dependent; positive regulation of granulocyte macrophage colony-stimulating factor biosynthetic process; positive regulation of peptidyl-tyrosine phosphorylation; cell-cell signaling; T cell costimulation; innate immune response; positive regulation of alpha-beta T cell proliferation; positive regulation of T-helper 1 cell differentiation
Research Articles on CD80	**1.** SNP rs1599795 in CD80 3'-UTR, through disrupting the regulatory role of miR-132-3p, miR-212-3p, and miR-361-5p in CD80 expression, contributed to the occurrence of gastric cancer.
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