



# Rabbit Anti-Human CD276 Polyclonal Antibody (CABT-L2113)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to Cluster Of Differentiation 276 (Knockout Validated)
<b>Specificity</b>	The antibody is a rabbit polyclonal antibody raised against CD276. It has been selected for its ability to recognize CD276 in immunohistochemical staining and western blotting.
<b>Target</b>	CD276
<b>Immunogen</b>	Recombinant fragment corresponding to human CD276 (Thr47~Ser219)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
<b>Preservative</b>	0.05% Proclin-300

<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
<b>Ship</b>	4°C with ice bags
<b>Warnings</b>	For research use only.

## BACKGROUND

<b>Introduction</b>	The protein encoded by this gene belongs to the immunoglobulin superfamily, and thought to participate in the regulation of T-cell-mediated immune response. Studies show that while the transcript of this gene is ubiquitously expressed in normal tissues and solid tumors, the protein is preferentially expressed only in tumor tissues. Additionally, it was observed that the 3' UTR of this transcript contains a target site for miR29 microRNA, and there is an inverse correlation between the expression of this protein and miR29 levels, suggesting regulation of expression of this gene product by miR29. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]
<b>Keywords</b>	B7-H3;B7H3;CD276 Molecule;B7 homolog 3;Costimulatory molecule

## GENE INFORMATION

<b>Gene Name</b>	CD276 CD276 molecule [ Homo sapiens (human) ]
<b>Official Symbol</b>	CD276
<b>Synonyms</b>	CD276; CD276 molecule; B7H3; B7-H3; B7RP-2; 4Ig-B7-H3; CD276 antigen; B7 homolog 3; costimulatory molecule;
<b>Entrez Gene ID</b>	<a href="#">80381</a>
<b>Protein Refseq</b>	NP_001019907
<b>UniProt ID</b>	<a href="#">Q5ZPR3</a>
<b>Chromosome Location</b>	15q23-q24
<b>Pathway</b>	Cell adhesion molecules (CAMs);
<b>Function</b>	protein binding; receptor binding;