

Rabbit anti-Human Cluster Of Differentiation 276 Polyclonal Antibody | anti-CD276 antibody

Polyclonal Antibody to Cluster Of Differentiation 276 (CD276)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA20949	Rabbit	Human	Western Blot, Immunocytochemistry, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

Cluster Of Differentiation 276; Polyclonal Antibody; Polyclonal Antibody to Cluster Of Differentiation 276 (CD276); anti-CD276 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	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.
Purity/Purification	Affinity Chromatography
Form/Format	Liquid
Concentration	500ug/mL (varies by lot)
Sequence	Antigen: The target protein is fused with a C-terminal tag, His-tag and T7-tag and its sequence is listed below. MGSSH HHHHHSSGLV PRGSHMASMT GGQQMGRGSE F-TLCCSFSP EPGFSLAQLN LIWQLTDTKQ LVHSFAEGQD QGSAYANRTA LFPDLAQGN ASLRLQVRV ADEGSFTCFV SIRDFGSAV SLQVAAPYSK PSMTLEPNKD LRPGDTVIT CSSYQGYPEA EVFWQDGQGV PLTGNVTTSQ MANEQGLFDV HSILRVVLGA NGTYS
Sequence Length	534
Applicable Applications for anti-CD276 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA
Application Notes	Western blotting: 0.5-2ug/ml Immunocytochemistry in formalin fixed cells: 5-20ug/ml Immunohistochemistry in formalin fixed frozen section: 5-20ug/ml Immunohistochemistry in paraffin section: 5-20ug/ml Enzyme-linked Immunosorbent Assay: 0.05-2ug/ml Optimal working dilutions must be determined by end user.
Fragment	CD276 (Thr47~Ser219)
Organism Species	Homo sapiens (Human)
Cross Reactivity	Human
Conjugate	No Conjugate
Immunogen	Recombinant CD276 (Thr47~Ser219) expressed in E. coli.
Preparation and Storage	Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



Knockout Validation

Knockout Validation: Lane 1: Wild-type 293T cell lysate; Lane 2: CD276 knockout 293T cell lysate; Predicted MW: 57,53,33kd Observed MW: 100kd Primary Ab: 3ug/ml Rabbit Anti-Human CD276 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Human.



WB (Western Blot)

Western Blot: Sample: Lane1: Human 293T Cells; Lane2: Human PC-3 Cells; Lane3: Human MCF-7 Cells.

ADDITIONAL INFORMATION

Product Categories/Family for anti-CD276 antibody	Knock-Out Validation Antibody
---	-------------------------------

NCBI AND UNIPROT INFORMATION

NCBI GI #	67188443
NCBI GeneID	80381
NCBI Accession #	NP_001019907.1
NCBI GenBank Nucleotide #	NM_001024736.1
UniProt Accession #	Q5ZPR3; Q6P5Y4; Q6UXI2; Q8NB18; Q8NC34; Q8NCB6; Q9BXR1
Molecular Weight	57,165 Da
NCBI Official Full Name	CD276 antigen isoform a
NCBI Official Synonym Full Names	CD276 molecule
NCBI Official Symbol	CD276
NCBI Official Synonym Symbols	B7H3; B7-H3; B7RP-2; 4Ig-B7-H3
NCBI Protein Information	CD276 antigen
UniProt Protein Name	CD276 antigen
UniProt Gene Name	CD276
UniProt Synonym Gene Names	B7H3; B7-H3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.