For research purposes only, not for human use

Product Data Sheet

Anti-CD279 Antibody

Catalog #	Source	Reactivity	Applications
CQA6552	Rabbit	H, M, R	WB, IF/IC

Description	Rabbit polyclonal antibody to CD279
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD279. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of CD279 protein.
Clonality	Polyclonal
Conjugation	
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/500 - 1/1000), IF/IC (1/50 - 1/200)
Gene Symbol	PDCD1
Alternative Names	PD1; Programmed cell death protein 1; Protein PD-1; hPD-1; CD279
Entrez Gene	5133 (Human); 18566 (Mouse)
SwissProt	Q15116 (Human); Q02242 (Mouse)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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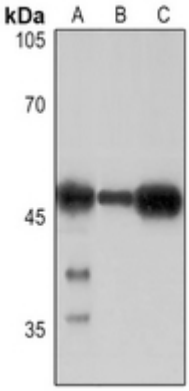
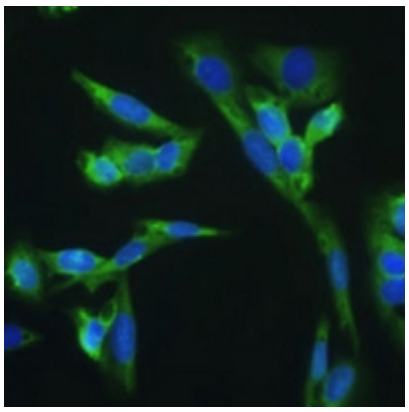


Western blot analysis of CD279 expression in Raji (A), mouse spleen (B), rat thymus (C) whole cell lysates. (Predicted band size: 31 kD; Observed band size: 50 kD)



Immunofluorescent analysis of CD279 staining in U2OS cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

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