

Rabbit anti-Cynomolgus PD-1 Polyclonal Antibody | anti-PDCD1 antibody

Anti-PD-1 Antibody, Rabbit Polyclonal

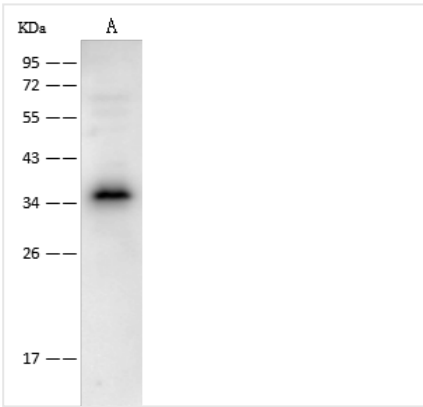
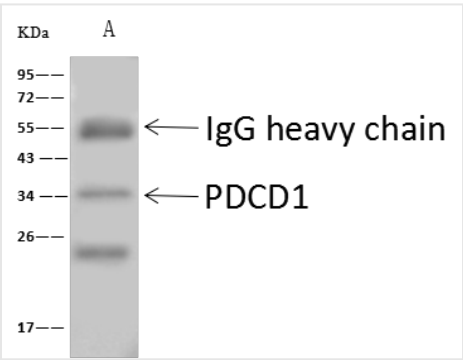
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255229	Rabbit	Cynomolgus	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

PD-1; Polyclonal Antibody; Anti-PD-1 Antibody; Rabbit Polyclonal; PD-1/PDCD1 Antibody; Rabbit PAb; Antigen Affinity Purified; programmed cell death 1; anti-PDCD1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cynomolgus
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Cynomolgus PD-1/PDCD1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PDCD1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the Cynomolgus PD-1/PDCD1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Cynomolgus PD-1/PDCD1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)
GATA4 was immunoprecipitated using: Lane A: 0.5 mg HEK293 Whole Cell Lysate 4 uL anti-GATA4 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-GATA4 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 44 kDa. Observed band size: 46 kDa.

WB (Western Blot)
Anti-PDCD1 rabbit polyclonal antibody at 1:500 dilution. Lane A: Mouse brain tissue lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 32 kDa. Observed band size: 35 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PDCD1 antibody	Programmed cell death 1, also known as PDCD1, is a type I transmembrane glycoprotein, and is an immunoreceptor belonging to the CD28/CTLA-4 family negatively regulates antigen receptor signaling by recruiting protein tyrosine phosphatase, SHP-2 upon interacting with either of two ligands, PD-L1 or PD-L2. PD1 inhibits the T-cell proliferation and production of related cytokines including IL-1, IL-4, IL-10 and IFN-gamma by suppressing the activation and transduction of PI3K/AKT pathway. In addition, coligation of PD1 inhibits BCR-mediating signal by dephosphorylating key signal transducer. PD1 has been suggested to be involved in lymphocyte clonal selection and peripheral tolerance, and thus contributes to the prevention of autoimmune diseases. Furthermore, PD1 is shown to be a regulator of virus-specific CD8+ T cell survival in HIV infection. As a cell surface molecule, PDCD1 regulates the adaptive immune response. Engagement of PD-1 by its ligands PD-L1 or PD-L2 transduces a signal that inhibits T-cell proliferation, cytokine production, and cytolytic function.
Product Categories/Family for anti-PDCD1 antibody	ITIM/ITAM Immunoreceptors and Related Molecules Cancer Drug Targets
References	James ES, et al. (2005) PDCD1: a tissue-specific susceptibility locus for inherited inflammatory disorders. Genes Immun. 6(5): 430-7. Okazaki T, et al. (2007) PD-1 and PD-1 ligands: from discovery to clinical application. Int Immunol. 19(7): 813-24. del Rio ML, et al. (2008) PD-1/PD-L1, PD-1/PD-L2, and other co-inhibitory signaling pathways in transplantation. Transpl Int. 21(11): 1015-28. Riley JL. (2009) PD-1 signaling in primary T cells. Immunol Rev. 229(1): 114-25.

NCBI AND UNIPROT INFORMATION

NCBI GI #	545688712
NCBI GeneID	102123659
NCBI Accession #	NP_001271065.1
NCBI GenBank Nucleotide #	NP_001271065.1
UniProt Accession #	BOLAJ3
Molecular Weight	Molecular Mass: 17.3kDa Actual Protein Molecular Mass: 30-50kDa
NCBI Official Full Name	programmed cell death protein 1
NCBI Official Symbol	PDCD1
NCBI Protein Information	programmed cell death protein 1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/pd-1-antibody-immunoprecipitation-western-blot-elisa/255229>