

## Anti-PDCD4 Antibody

Catalog Number: A01105-1

### About PDCD4

Apoptosis, also known as programmed cell death, plays major roles in development and normal tissue turnover in addition to tumor formation. During this process, the expression patterns of numerous genes are radically altered. One such gene is the programmed cell death protein 4 (PDCD4), whose expression was found to be upregulated in all cell lines following the onset of apoptosis. PDCD4 encodes a tumor suppressor protein whose expression is lost in carcinomas of breast, colon, lung and prostate. It can bind to and inhibit the helicase activity of the eukaryotic translation initiation factor 4A and inhibit the transactivation and transformation mediated by the transcription factor AP-1. The kinase Akt regulates PDCD4 by phosphorylation, decreasing the ability of PDCD4 to interfere with the transactivation of AP-1-responsive promoter by c-Jun. There are two known isoforms of PDCD4.

### Overview

Product Name	Anti-PDCD4 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PDCD4 Antibody (Catalog # A01105-1). Tested in ELISA, WB, IHC-P applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IHC-P, WB
Clonality	Polyclonal
Formulation	PDCD4 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	PDCD4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q53EL6

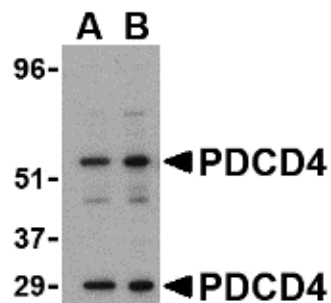
### Technical Details

Immunogen	PDCD4 antibody was raised against a 19 amino acid synthetic peptide from near the carboxy terminus of human PDCD4. The immunogen is located within the last 50 amino acids of PDCD4.
Predicted Reactive Species	Chicken
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	PDCD4 Antibody is affinity chromatography purified via peptide column.

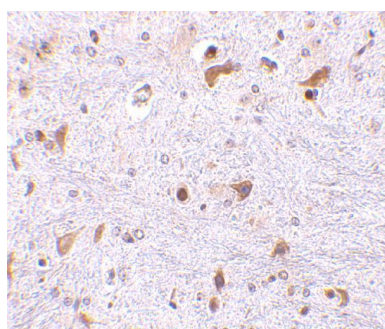
Suggested Dilutions

PDCD4 antibody can be used for detection of PDCD4 by Western blot at 0.5 - 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL.  
Antibody validated: Western Blot in mouse samples and Immunohistochemistry in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

## Anti-PDCD4 Antibody (A01105-1) Images



Western blot analysis of PDCD4 in A-20 cell lysate with PDCD4 antibody at (A) 0.5 and (B) 1ug/mL.



Immunohistochemistry of PDCD4 in mouse brain tissue with PDCD antibody at 2.5 ug/mL.

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Anti-PDCD4 Antibody

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