

PDCD4 Polyclonal Antibody

Catalog number: 12587-1-AP

Size: 90 µg/150 µl

Source: Rabbit

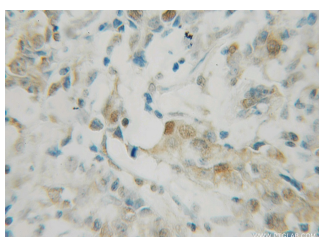
Isotype: IgG

Synonyms:

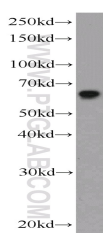
PDCD4; H731, Nuclear antigen

H731 like, PDCD4, Protein

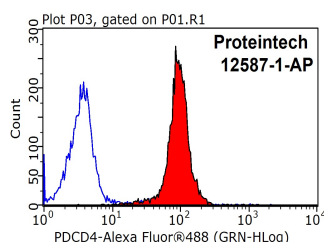
197/15a



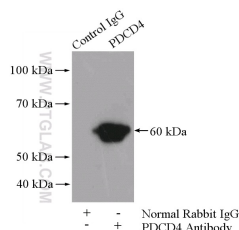
Immunohistochemical of paraffin-embedded human breast cancer using 12587-1-AP (PDCD4 antibody) at dilution of 1:50 (under 10x lens)



HeLa cells were subjected to SDS PAGE followed by western blot with 12587-1-AP (PDCD4 antibody) at dilution of 1:3000



1X10⁶ MCF-7 cells were stained with 0.2 µg PDCD4 antibody (12587-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.



Background

Programmed cell death 4 (Pdc4) is a novel tumor suppressor that inhibits translation, progression and invasion. It was first identified as being differentially upregulated during apoptosis. Pdc4 interferes with the activity of the eukaryotic initiation factor (eIF) 4A by displacing the scaffold protein eIF4G from its binding to the RNA helicase eIF4A.

Applications

Tested applications:	ELISA, WB, IHC, FC, IP
Cited applications:	IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, rat
Calculated PDCD4 MW:	469aa, 52 kDa
Observed PDCD4 MW:	54-64 kDa
Positive WB detected in	HeLa cells, MCF7 cells
Positive IP detected in	HeLa cells
Positive IHC detected in	Human breast cancer tissue
Positive FC detected in	MCF-7 cells
Recommended dilution:	WB: 1:1000-1:10000 IP: 1:1000-1:10000 IHC: 1:20-1:200 FC: N/A

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3288
GenBank accession number:	BC026104
Gene ID (NCBI):	27250
Full name:	Programmed cell death 4 (neoplastic transformation inhibitor)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

IP Result of anti-PDCD4

(IP:12587-1-AP, 4ug;

Detection:12587-1-AP 1:3000)

with HeLa cells lysate 4000ug.