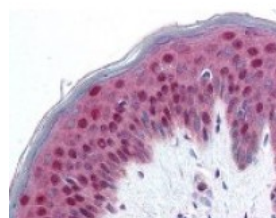




PDCD4 Antibody

CATALOG NUMBER: 49-547



Immunohistochemistry staining of PDCD4
in skin, human tissue using PDCD4
Antibody.

Specifications

SPECIES REACTIVITY:	Human, Mouse, Rat, Xenopus
TESTED APPLICATIONS:	ELISA, IHC, WB
APPLICATIONS:	PDCD4 antibody can be used in Western Blot, and immunohistochemistry starting at 10 ug/mL.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
IMMUNOGEN:	PDCD4 antibody was raised against amino acids 1166 - 1180 of PDCD4 (Human).
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Immunoaffinity Chromatography
PHYSICAL STATE:	Liquid
BUFFER:	0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01% sodium azide.
STORAGE CONDITIONS:	Store PDCD4 antibody at 4 °C or -20 °C. As with all antibodies avoid freeze/thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	PDCD4, H731, Nuclear antigen H731-like, Nuclear antigen H731, Protein 197/15a
ACCESSION NO.:	Q53EL6
PROTEIN GI NO.:	317373317
OFFICIAL SYMBOL:	PDCD4
GENE ID:	27250

Background

BACKGROUND: Programmed cell death 4 (Pdc4) is a novel tumor suppressor. Pdc4 directly inhibits the helicase activity of eukaryotic translation initiation factor 4A (eIF4A), a component of the translation initiation complex. Pdc4 also suppresses the transactivation of activator protein-1 (AP-1)-responsive promoters by c-Jun. Pdc4 contains two

Akt phosphorylation sites, one at Ser67 and the other at Ser457. The phosphorylation of Pdc4 by Akt causes nuclear translocation of Pdc4 and a significant decrease in the ability of Pdc4 to interfere with the transactivation of AP-1-responsive promoters by c-Jun.

FOR RESEARCH USE ONLY

December 13, 2016