

Anti-PDCD4 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

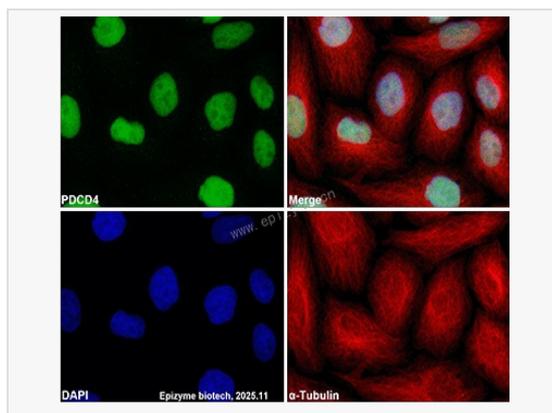
Catalog # R016157

Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:4,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	83L86M98
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human PDCD4
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-PDCD4 Rabbit mAb [83L86M98] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	H731; D19Ucl1; Ma3; Tis; Dug; PDCD4_HUMAN; PDCD4; Neoplastic transformation inhibitor protein; Nuclear antigen H731-like; Protein 197/15a; PDCD4_MOUSE; Protein MA-3; Topoisomerase-inhibitor suppressed protein; PDCD4_RAT; Death up-regulated gene protein.
Calculated MW	Calculated MW: 52 kDa; Observed MW: 59 kDa
Uniprot ID	Q53EL6
Gene ID	27250
Background	This gene is a tumor suppressor and encodes a protein that binds to the eukaryotic translation initiation factor 4A1 and inhibits its function by preventing RNA binding. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2010]
Cellular Location	Nucleus Cytoplasm Shuttles between the nucleus and cytoplasm (By similarity). Predominantly nuclear under normal growth conditions, and when phosphorylated at Ser-457 (PubMed:16357133).
Tissue Location	Up-regulated in proliferative cells. Highly expressed in epithelial cells of the mammary gland. Reduced expression in lung cancer and colon carcinoma.



Immunofluorescence - Anti-PDCD4 Rabbit mAb [83L86M98]

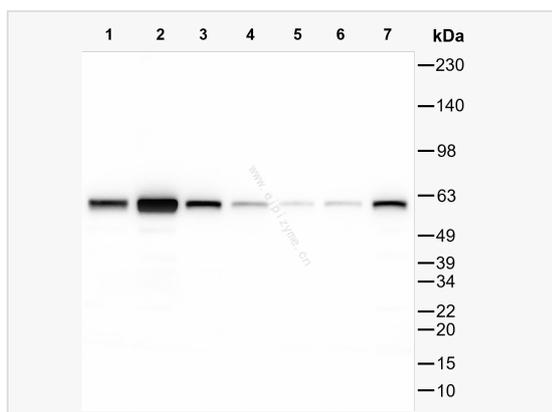
Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R016157 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).



Western Blot - Anti-PDCD4 Rabbit mAb [83L86M98]

All lanes: R016157 at 1:4,000 dilution

Lane 1: Hel (Human erythroLeukemia suspension cell) whole cell lysates

Lane 2: Ball-1 (Human B lymphocyte acute leukemia cell) whole cell lysates

Lane 3: K562 (Human chronic myeloid leukemia cell) whole cell lysates

Lane 4: THP-1 (Human monocytic leukemia cell) whole cell lysates

Lane 5: PANC-1 (Human pancreatic cancer epithelial cell) whole cell lysates

Lane 6: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

Lane 7: SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysates

Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 52 kDa

Observed band size: 59 kDa

Developed using the ECL technique (Cat. No. SQ201).