

Anti-PDCD4 Antibody (2Z441)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 52 kDa.
Clone:	2Z441
Purification:	ProA affinity purified

Applications

Application:	FCM,ICC,IHC,WB
Recommended	WB: 1:500; IHC: 1:50-200; ICC: 1:20-50; FCM: 1:50-100

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	Q53EL6
Synonyms:	PDCD4;Neoplastic Transformation Inhibitor Protein;Nuclear Antigen H731-Like;Protein 197/15a;H731;Programmed Cell Death Protein 4

Research Background

The transformation suppressor gene Pdc4-4 (programmed cell death gene 4) inhibits the tumor-promoter mediated transformation of mouse keratinocytes and is a potential tumor suppressor gene in the development of human lung cancer. Biochemical analysis suggests that the Pdc4-4 protein is involved in protein translation as well as in nuclear events. Pdc4-4 directly interacts with the RNA helicase eIF4A and inhibits protein synthesis by interfering with the assembly of the cap-dependent translation initiation complex. Pdc4-4 also suppresses the transactivation of AP-1 responsive promoters by c-Jun, suggesting that the transformation-suppressor activity of Pdc4-4 might be due, at least in part, to the inhibition of c-Jun activity. In addition to affecting c-Jun phosphorylation, Pdc4-4 blocks the recruitment of the co-activator p300 by c-Jun.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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