

ARG56950 anti-PDCD4 antibody [k4C1]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [k4C1] recognizes PDCD4
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	k4C1
Isotype	IgG1, kappa
Target Name	PDCD4
Species	Human
Immunogen	Recombinant fragment around aa. 1-469 of Human PDCD4.
Conjugation	Un-conjugated
Alternate Names	Neoplastic transformation inhibitor protein; Nuclear antigen H731-like; Protein 197/15a; Programmed cell death protein 4; H731

Application Instructions

Application table	Application	Dilution
	WB	1:1000 - 1:3000

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

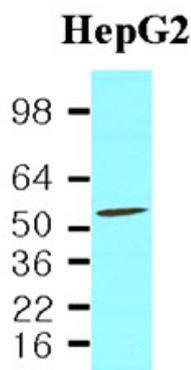
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 27250 Human Swiss-port # Q53EL6 Human
Gene Symbol	PDCD4
Gene Full Name	programmed cell death 4 (neoplastic transformation inhibitor)
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]
Function	Inhibits translation initiation and cap-dependent translation. May exert its function by hindering the interaction between EIF4A1 and EIF4G. Inhibits the helicase activity of EIF4A. Modulates the activation of JUN kinase. Down-regulates the expression of MAP4K1, thus inhibiting events important in driving invasion, namely, MAPK85 activation and consequent JUN-dependent transcription. May play a role in apoptosis. Tumor suppressor. Inhibits tumor promoter-induced neoplastic transformation. Binds RNA (By similarity). [UniProt]
Calculated Mw	52 kDa
PTM	Polyubiquitinated, leading to its proteasomal degradation. Rapidly degraded in response to mitogens. Phosphorylation of the phosphodegron promotes interaction with BTRC and proteasomal degradation. Phosphorylated at Ser-67 by RPS6KB1 in response to mitogens; phosphorylation promotes proteasomal degradation of PDCD4.

Images



ARG56950 anti-PDCD4 antibody [k4C1] WB image

Western blot: 40 µg of HepG2 cell lysate stained with ARG56950 anti-PDCD4 antibody [k4C1] at 1:2000.