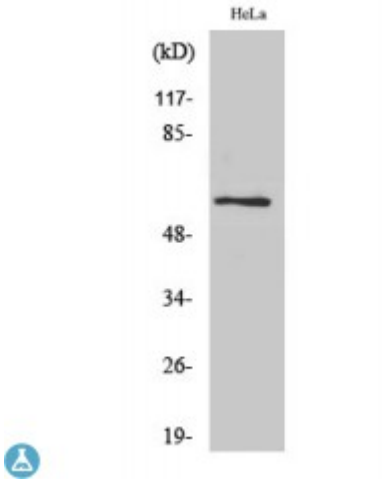
Anti-Pdcd-4 antibody



Description	Rabbit polyclonal to Pdcd-4.

Model	STJ94990
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human Pdcd-4 around the non-phosphorylation site of S457.
Immunogen Region	400-480 aa
Gene ID	27250
Gene Symbol	PDCD4
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	Pdcd-4 Polyclonal Antibody detects endogenous levels of Pdcd-4 protein.
Tissue Specificity	Up-regulated in proliferative cells. Highly expressed in epithelial cells of the mammary gland. Reduced expression in lung cancer and colon carcinoma.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Programmed cell death protein 4 Neoplastic transformation inhibitor protein Nuclear antigen H731-like Protein 197/15a
Molecular Weight	51 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:8763OMIM:608610
Alternative Names	Programmed cell death protein 4 Neoplastic transformation inhibitor protein Nuclear antigen H731-like Protein 197/15a
Function	Inhibits translation initiation and cap-dependent translation. May excert 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 .
Sequence and Domain Family	Binds EIF4A1 via both MI domains.
Cellular Localization	Nucleus Cytoplasm. Shuttles between the nucleus and cytoplasm . Predominantly nuclear under normal growth conditions, and when phosphorylated at Ser-457 .
Post-translational Modifications	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.