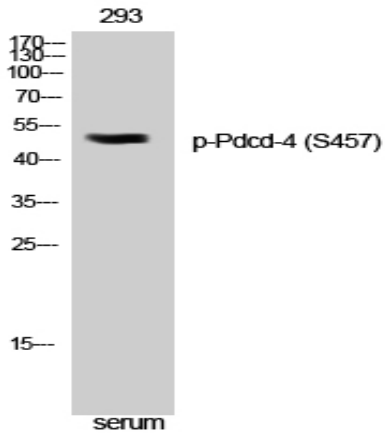


Pdcd-4 (phospho Ser457) Polyclonal Antibody

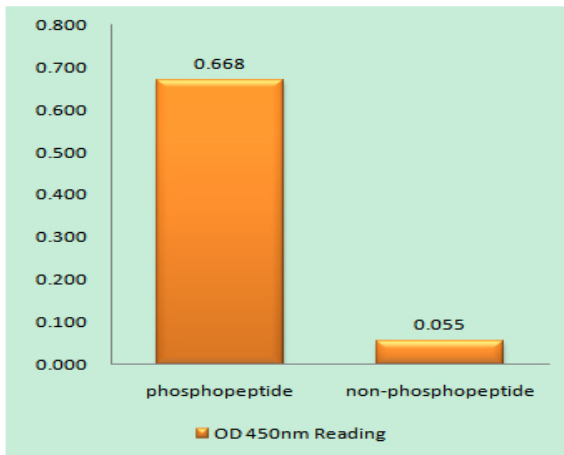
Catalog No :	YP0761
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	PDCD4
Fields :	>>Proteoglycans in cancer;>>MicroRNAs in cancer
Gene Name :	PDCD4
Protein Name :	Programmed cell death protein 4
Human Gene Id :	27250
Human Swiss Prot No :	Q53EL6
Mouse Gene Id :	18569
Mouse Swiss Prot No :	Q61823
Rat Gene Id :	64031
Rat Swiss Prot No :	Q9JID1
Immunogen :	The antiserum was produced against synthesized peptide derived from human PDCD4 around the phosphorylation site of Ser457. AA range:420-469
Specificity :	Phospho-Pdcd-4 (S457) Polyclonal Antibody detects endogenous levels of Pdcd-4 protein only when phosphorylated at S457.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	51kD
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 :	caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,disease:Loss of expression correlated with tumor progression of lung and colon carcinoma.,domain:Binds EIF4A1 via the MA3 domains.,function:Tumor suppressor. Inhibits tumor promoter-induced neoplastic transformation. 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. Inhibits the helicase activity of EIF4A and cap-dependent translation. Binds RNA.,induction:IL2 stimulation inhibits expression, while IL12 increases expression.,sequence caution:Contaminating sequence. Potential poly-A sequence.,similarity:Belongs to the PDCD4 family.,similarity:Contains 2 MI domains.,subcellular location:Shuttles between the nucleus a
Subcellular 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). .
Expression :	Up-regulated in proliferative cells. Highly expressed in epithelial cells of the mammary gland. Reduced expression in lung cancer and colon carcinoma.

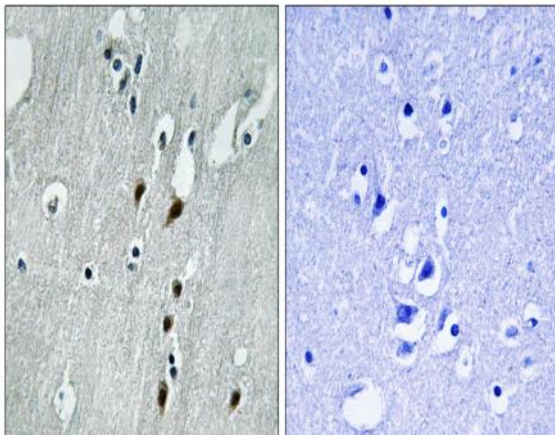
Products Images



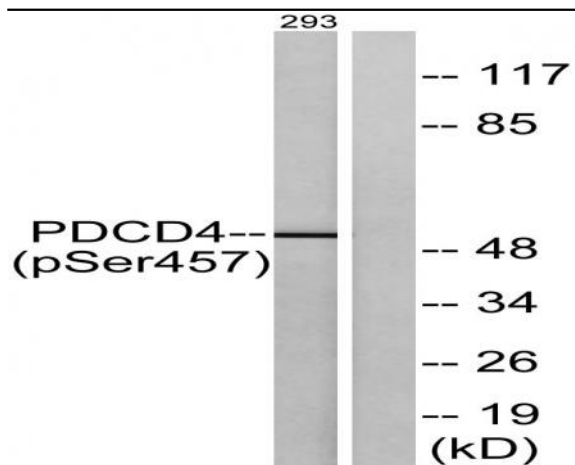
Western Blot analysis of 293 cells using Phospho-Pdcd-4 (S457) Polyclonal Antibody



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using PDCD4 (Phospho-Ser457) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using PDCD4 (Phospho-Ser457) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from 293 cells treated with serum 20% 15', using PDCD4 (Phospho-Ser457) Antibody. The lane on the right is blocked with the phospho peptide.