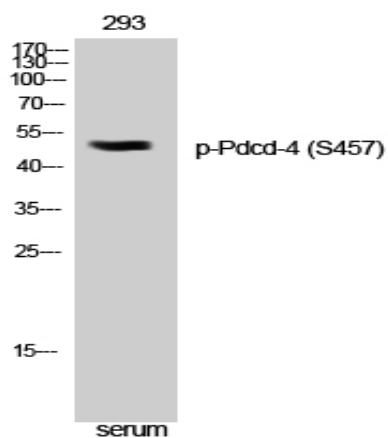


**Pdcd-4 (phospho Ser457) Polyclonal Antibody**

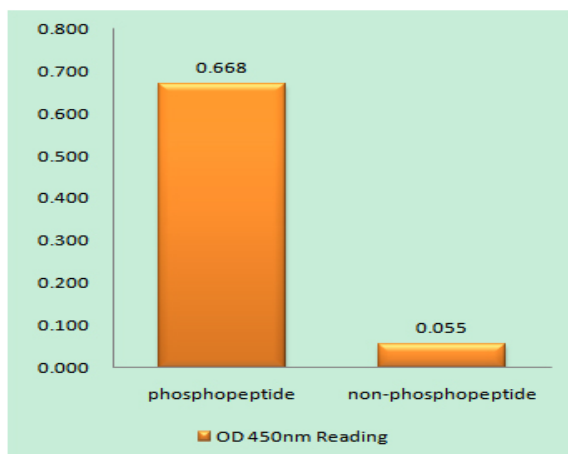
<b>Catalog No :</b>	YP0761
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	PDCD4
<b>Fields :</b>	>>Proteoglycans in cancer;>>MicroRNAs in cancer
<b>Gene Name :</b>	PDCD4
<b>Protein Name :</b>	Programmed cell death protein 4
<b>Human Gene Id :</b>	27250
<b>Human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

<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	51kD
<b>Background :</b>	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],
<b>Function :</b>	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
<b>Subcellular Location :</b>	Nucleus . Cytoplasm . Shuttles between the nucleus and cytoplasm (By similarity). Predominantly nuclear under normal growth conditions, and when phosphorylated at Ser-457 (PubMed:16357133). .
<b>Expression :</b>	Up-regulated in proliferative cells. Highly expressed in epithelial cells of the mammary gland. Reduced expression in lung cancer and colon carcinoma.
<b>Tag :</b>	orthogonal
<b>Sort :</b>	11734
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Phospho

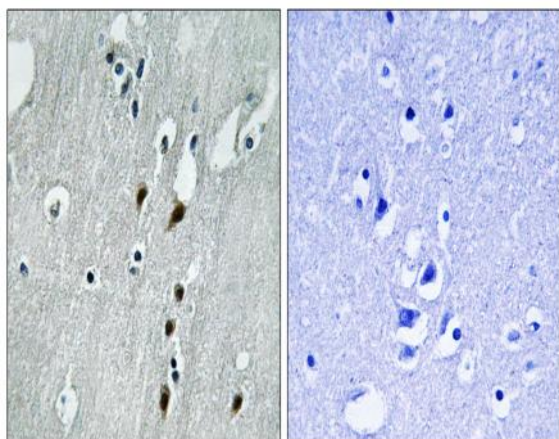
## Products Images



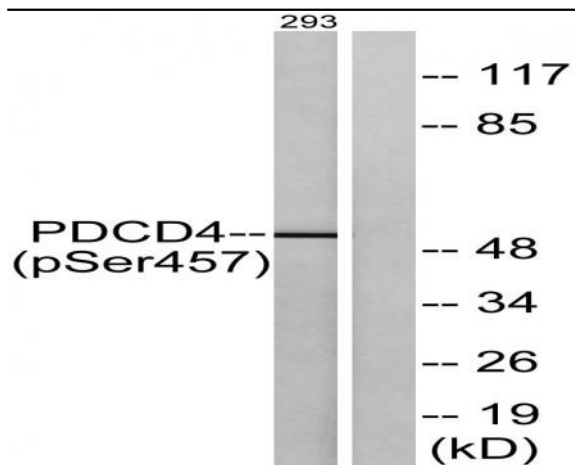
Western Blot analysis of 293 cells using Phospho-Pdcd-4 (S457) Polyclonal Antibody



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.