

Product Name: Pdcd-4 (phospho Ser67) Rabbit Polyclonal Antibody
Catalog #: APRab05223

Summary

Production Name	Pdcd-4 (phospho Ser67) Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Mouse,Rat,Monkey

Performance

Conjugation	Unconjugated
Modification	Phospho Antibody
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	PDCD4
Alternative Names	PDCD4; H731; Programmed cell death protein 4; Neoplastic transformation inhibitor protein; Nuclear antigen H731-like; Protein 197/15a
Gene ID	27250.0
SwissProt ID	Q53EL6.The antiserum was produced against synthesized peptide derived from human PDCD4 around the phosphorylation site of Ser67. AA range:33-82

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000..
Molecular Weight	56kD

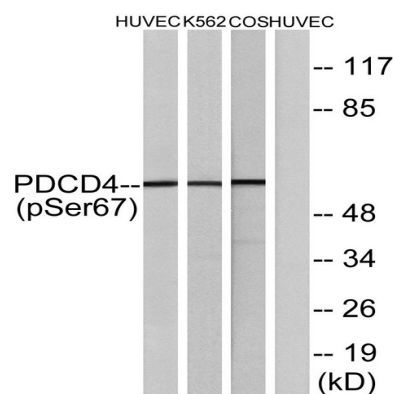
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Background

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], 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 and cytoplasm. Predominantly nuclear under normal growth conditions. Exported from the nucleus in the absence of serum., subunit: Interacts with EIF4A1 and EIF4A2., tissue specificity: Up-regulated in proliferative cells. Highly expressed in epithelial cells of the mammary gland.,

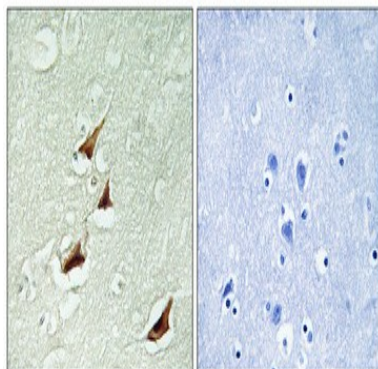
Research Area

Image Data

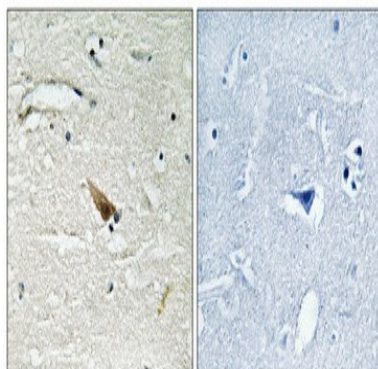


Western blot analysis of lysates from HUVEC cells, K562 cells and COS-7 cells, using PDCD4 (Phospho-Ser67) Antibody. The lane on the right is blocked with the phospho peptide.

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Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°,overnight) . High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



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Note

For research use only.