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PDCD4 (aa210-221) Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF3790a

Specification

PDCD4 (aa210-221) Antibody (internal region) - Product Information

Application	**WB**
Primary Accession	Q53EL6
Other Accession	NP_055271.2, NP_663314.1, NP_001186421.1, 27250, 18569 (mouse), 64031 (rat)
Reactivity	**Human**
Predicted	**Mouse, Rat, Pig, Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**51735**

PDCD4 (aa210-221) Antibody (internal region) - Additional Information

Gene ID 27250

Other Names
Programmed cell death protein 4, Neoplastic transformation inhibitor protein, Nuclear antigen H731-like, Protein 197/15a, PDCD4, H731

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PDCD4 (aa210-221) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

PDCD4 (aa210-221) Antibody (internal region) - Protein Information

Name PDCD4

Synonyms H731

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 (By similarity).

Cellular Location
Nucleus {ECO:0000250|UniProtKB:Q61823}. Cytoplasm {ECO:0000250|UniProtKB:Q61823}. Note=Shuttles between the nucleus and cytoplasm (By similarity). Predominantly nuclear under normal growth conditions, and when phosphorylated at Ser-457 (PubMed:16357133)

Tissue Location
Up-regulated in proliferative cells. Highly expressed in epithelial cells of the mammary gland. Reduced expression in lung cancer and colon carcinoma.

PDCD4 (aa210-221) Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PDCD4 (aa210-221) Antibody (internal region) - Images



AF3790a (0.1 µg/ml) staining of HeLa lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

PDCD4 (aa210-221) Antibody (internal region) - Background

This antibody is expected to recognize all reported isoforms (NP_055271.2; NP_663314.1; NP_001186421.1).

PDCD4 (aa210-221) Antibody (internal region) - References

Programmed cell death 4 enhances chemosensitivity of ovarian cancer cells by activating death receptor pathway in vitro and in vivo. Zhang X, Wang X, Song X, Liu C, Shi Y, Wang Y, Afonja O, Ma C, Chen YH, Zhang L. Cancer Sci. 2010 Oct;101(10):2163-70. PMID: 20735432