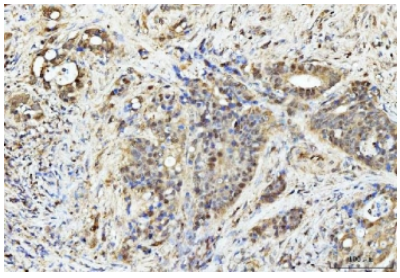
PDCD4 Antibody (R32885)

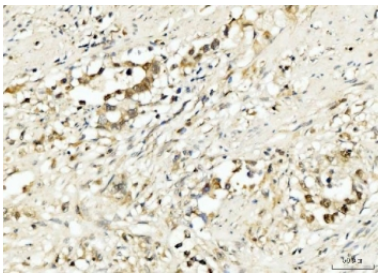
Catalog No.	Formulation	Size
R32885	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

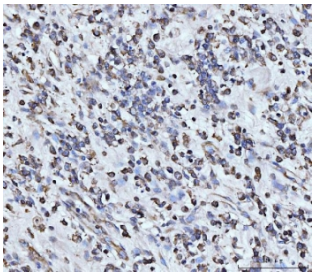
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q53EL6
Localization	Cytoplasmic, nuclear
Applications	Western Blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This PDCD4 antibody is available for research use only.



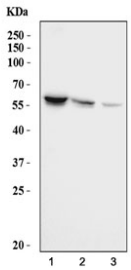
IHC staining of FFPE human gall bladder adenosquamous carcinoma tissue with PDCD4 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



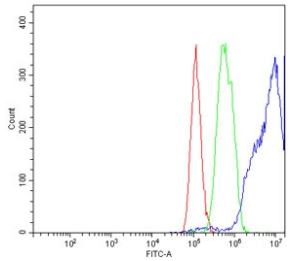
IHC staining of FFPE human appendiceal adenocarcinoma tissue with PDCD4 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human gastric adenocarcinoma tissue with PDCD4 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) Daudi, 2) HeLa and 3) 293T cell lysate with PDCD4 antibody at 0.5ug/ml. Expected molecular weight: 50-60 kDa.



Flow cytometry testing of human HepG2 cells with PDCD4 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PDCD4 antibody.

Description

Programmed cell death protein 4 (PDCD4) is a protein that in humans is encoded by the PDCD4 gene. It is mapped to 10q25.2. 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. It also encodes a protein localized to the nucleus in proliferating cells. Expression of this gene is modulated by cytokines in natural killer and T cells. The gene product is thought to play a role in apoptosis but the specific role has not yet been determined.

Application Notes

Optimal dilution of the PDCD4 antibody should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids E346-L446 was used as the immunogen for the PDCD4 antibody.

Storage

After reconstitution, the PDCD4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at

-20oC. Avoid repeated freezing and thawing.

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