Product datasheet

Anti-PDCD4 (phospho S67) antibody ab73343

Overview

Product name: Anti-PDCD4 (phospho S67) antibody
Description: Rabbit polyclonal to PDCD4 (phospho S67)
Host species: Rabbit
Specificity: ab73343 detects endogenous levels of PDCD4 only when phosphorylated at serine 67.
Tested applications: Suitable for: WB, ELISA, IHC-P
Species reactivity: Reacts with: Human
Predicted to work with: Mouse, Rat
Immunogen: Synthetic phosphopeptide derived from human PDCD4 around the phosphorylation site of serine 67 (KNS\textsuperscript{S}R)
Positive control: HepG2 cell extract. This antibody gave a positive result in IHC in the following FFPE tissue: Human pancreas.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer: pH: 7.40
Preservative: 0.02% Sodium azide
 Constituents: 50% Glycerol, 0.87% Sodium chloride, PBS
Without Mg\textsuperscript{2+} and Ca\textsuperscript{2+}
Purity: Immunogen affinity purified
Purification notes: ab73343 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Clonality: Polyclonal
Isotype: IgG

Applications
Inhibits translation initiation and cap-dependent translation. May exert 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.

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

Belongs to the PDCD4 family. Contains 2 MI domains.

Binds EIF4A1 via both MI domains.

Polyubiquitinated, leading to its proteasomal degradation. Rapidly degraded in response to mitogens. Phosphorylation of the phosphodegron promotes interaction with BTRC and proteasomal degradation.


**Application** | **Abreviews** | **Notes**
--- | --- | ---
WB | 1/500 - 1/1000. Detects a band of approximately 52 kDa (predicted molecular weight: 52 kDa). |
ELISA | 1/5000. |
IHC-P | Use a concentration of 5 µg/ml. |
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDCD4 (phospho S67) antibody (ab73343)

IHC image of PDCD4 (phospho S67) staining in Human normal pancreas formalin fixed paraffin embedded tissue section, performed on a Leica BondTM system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab73343, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors