

## Anti-Phospho-PDCD4 (Ser67) Polyclonal Antibody 2

### Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse, Rat (predicted: Chicken, Dog, Pig, Cow, Horse, Rabbit, Sheep)
Molecular Weight:	Theoretical: 51 kDa.
Purification:	Protein A purified

### Applications

1. Paraformaldehyde-fixed, paraffin embedded (mouse lymphoid); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (p-PDCD4 (Ser67)) Polyclonal Antibody, Unconjugated (TMAB-11123) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.

2. HepG2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (phospho-PDCD4 (Ser67)) polyclonal Antibody, Unconjugated (TMAB-11123) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nuclei.

3. Blank control (black line): HepG2.

Primary Antibody (green line): Rabbit Anti-phospho-PDCD4 (Ser67) antibody (TMAB-11123)

Dilution: 2 µg/Test;

Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC

Dilution: 0.5 µg/Test.

Isotype control (orange line): Normal Rabbit IgG

Protocol

The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

4. Paraformaldehyde-fixed, paraffin embedded (rat thyroid gland); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (phospho-PDCD4 (Ser67)) Polyclonal Antibody, Unconjugated (TMAB-11123) at 1:100 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

5. Paraformaldehyde-fixed, paraffin embedded (rat thyroid gland); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (phospho-PDCD4 (Ser67)) Polyclonal Antibody, Unconjugated (TMAB-11123) at 1:100 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

6. Paraformaldehyde-fixed, paraffin embedded (rat colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (phospho-PDCD4 (Ser67)) Polyclonal Antibody, Unconjugated (TMAB-11123) at 1:100

Verified Activity:

## A DRUG SCREENING EXPERT

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overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

Application: IHC-P,IHC-Fr,ICC/IF,IF,FCM

Recommended IHC-P: 1:100-500; IHC-Fr: 1:100-500; ICC/IF: 1:100-500; IF: 1:100-500; FCM: 2µg/Test

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### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: KLH conjugated synthesised phosphopeptide: human PDCD4 around the phosphorylation site of Ser67

Antigen Species: Human

Gene ID: 27250

Uniprot ID: Q53EL6

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### Research 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]

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