

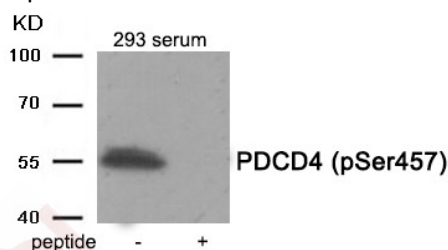
## Anti-Phospho-PDCD4 (Ser457) Polyclonal Antibody

### Product Details

|                   |  |
|-------------------|--|
| Ig Type:          | IgG  |
| Reactivity:       | Human,Mouse,Rat  |
| Conjugation:      | Unconjugated   |
| Molecular Weight: | Actual: 51 kDa.  |
| Purification:     | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |

### Applications

**Verified Activity:** 1. Western blot analysis of extracts from 293 cells treated with Serum using Phospho-PDCD4 (Ser457) antibody TMAC-03107. The lane on the right is treated with the antigen-specific peptide.



|              |                |
|--------------|----------------|
| Application: | WB             |
| Recommended  | WB: 1:500-1000 |

### Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

### Antigen Details

|                  |  |
|------------------|--|
| Immunogen:       | Peptide sequence around phosphorylation site of serine 457 (F-V-S(p)-E-G) derived from Human PDCD4 |
| Antigen Species: | human  |
| Uniprot ID:      | Q53EL6   |
| Synonyms:        | PDCD4 (p-Ser457);p-PDCD4 (S457);p-PDCD4 (Ser457);PDCD4 (p-S457)                                    |

### Research Background

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

## A DRUG SCREENING EXPERT

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promoter-induced neoplastic transformation. Binds RNA

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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