

# (KO Validated) CD274 Polyclonal Antibody

Catalog Number: E-AB-92259



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

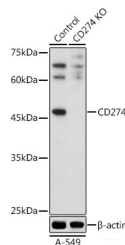
## Description

<b>Reactivity</b>	Human, Mouse, Rat
<b>Immunogen</b>	Recombinant fusion protein of mouse CD274
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS with 0.05% proclin300, 50% glycerol, pH7.3.

## Applications Recommended Dilution

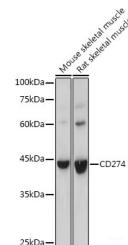
<b>WB</b>	1:500-1:2000
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## Data



Western blot analysis of extracts from normal (control) and CD274 knockout (KO) A-549 cells, using CD274 Polyclonal Antibody at 1:500 dilution.

**Observed Mw: 40-50 kDa**  
**Calculated Mw: 32 kDa**



Western blot analysis of extracts of various cell lines using CD274 Polyclonal Antibody at 1:500 dilution.

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze/thaw cycles.

## Background

The protein encoded by this gene is an immune inhibitory receptor ligand that is expressed by hematopoietic and non-hematopoietic cells, such as T cells and B cells and various types of tumor cells. The encoded protein is a type I transmembrane protein that has immunoglobulin V-like and C-like domains. Interaction of this ligand with its receptor inhibits T-cell activation and cytokine production. During infection or inflammation of normal tissue, this interaction is important for preventing autoimmunity by maintaining homeostasis of the immune response. In tumor microenvironments, this interaction provides an immune escape for tumor cells through cytotoxic T-cell inactivation. Mice deficient for this gene display a variety of phenotypes including decreased allogeneic fetal survival rates and severe experimental autoimmune encephalomyelitis.

## For Research Use Only

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