

CD274 Antibody

Catalog No: #43858

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Description

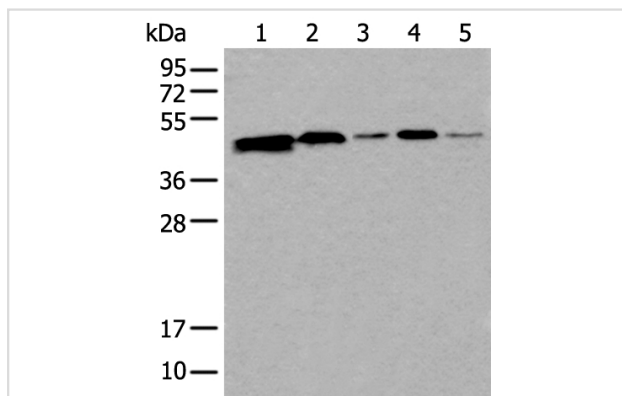
Product Name	CD274 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total CD274 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human CD274
Target Name	CD274
Other Names	B7-H; B7H1; PDL1; PD-L1; PDCD1L1; PDCD1LG1
Accession No.	Swiss-Prot#: Q9NZQ7NCBI Gene ID: 29126
Uniprot	Q9NZQ7
GeneID	29126;
Calculated MW	33kd
Concentration	0.7mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:200-1000

Immunohistochemistry: 1: 20-100

Images



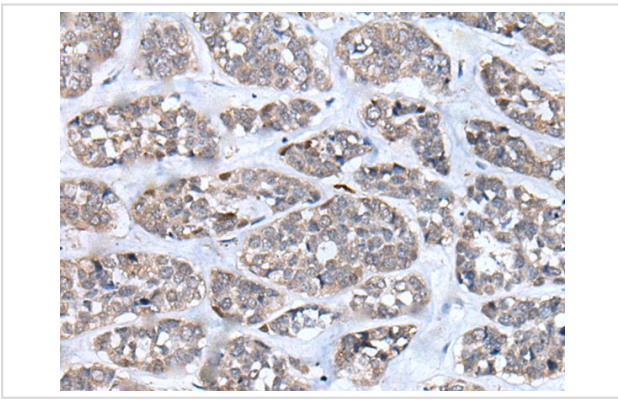
Gel: 8%SDS-PAGE

Lysate: 40 µg, Lane 1-5: A549,Raji,RAW264.7,Jurkat and HEPG2 cell lysates,

Primary antibody:CD274 antibody at dilution 1/250,

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution,

Exposure time: 20 seconds



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using CD274 Antibody at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x200)

Background

This gene encodes 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. Expression of this gene in tumor cells is considered to be prognostic in many types of human malignancies, including colon cancer and renal cell carcinoma. Alternative splicing results in multiple transcript variants.

Note: This product is for in vitro research use only