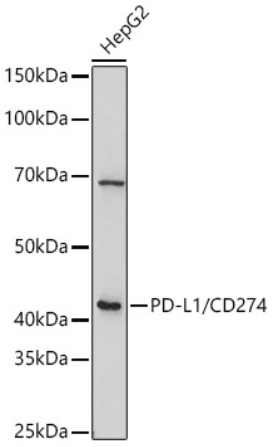
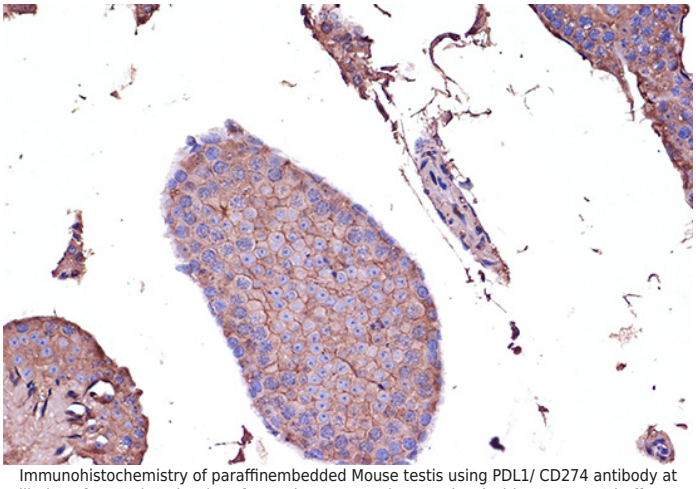
Product name:	PD-L1 (CD274) Rabbit Polyclonal Antibody
Cat number:	AB-84131
Conjugate:	Unconjugated
Size:	100ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 131-239 of human PD-L1/CD274
Reactivity:	Human, Mouse
Applications:	Western Blot: 1:500 - 1:1000Immunohistochemistry: 1:50 - 1:200
Molecular Weight:	40KDa
Purification:	Aff. Pur.
Form:	Liquid
Buffer:	PBS with 0.01% thiomersal,50% glycerol,pH7.3.
Storage:	Store at -20℃. Avoid freeze / thaw cycles.
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.



Western blot analysis of extracts of HepG2 cells, using PD-L1/CD274 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL West Pico Plus. Exposure time: 60s.



Immunohistochemistry of paraffinembedded Mouse testis using PDL1/ CD274 antibody at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.