Best Tools for immunology Research

PD-1 (ABT-PD1) mouse mAb

Catalog No :	YM4840
Reactivity :	Human;
Applications :	IHC;WB;IF;ELISA
Target :	PD1
Fields :	>>Cell adhesion molecules;>>T cell receptor signaling pathway;>>PD-L1 expression and PD-1 checkpoint pathway in cancer
Gene Name :	PDCD1 PD1
Protein Name :	Programmed cell death protein 1 (Protein PD-1) (hPD-1) (CD antigen CD279)
Human Gene Id :	5133
Human Swiss Prot No :	Q15116
Immunogen :	Synthesized peptide derived from human PD-1 AA range: 1-100
Specificity :	The antibody can specifically recognize human PD-1 protein.
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Mouse, Monoclonal/IgG1, kappa
Dilution :	IHC 1:200-1000. WB 1:500-2000. IF 1:100-500. ELISA 1:1000-5000
Purification :	Protein G
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	32kD
Observed Band :	56kD

Cell Pathway : Cell adhesion molecules (CAMs);T_Cell_Receptor;

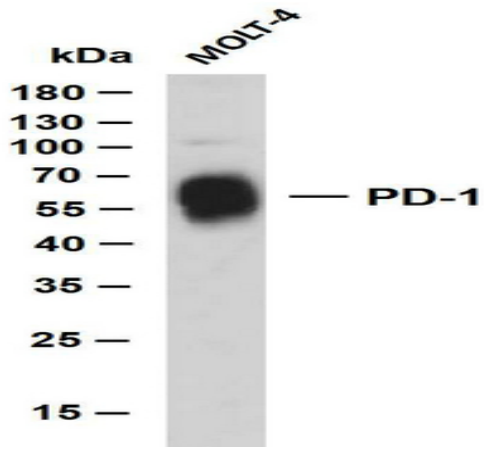
Background : Programmed death-1 (PD-1) is an important immunosuppressive molecule. It is a member of CD28 superfamily. It is mainly expressed in germinal center related helper T cells and CD8 positive T cells. It includes tyrosine based inhibitory motif immune receptors, and plays an important role in peripheral immune tolerance mechanism and autoimmune diseases. PD-1 is a receptor for PD-L1 and PD-L2. Immune regulation targeting PD-1 is of great significance in anti-tumor, anti infection, anti autoimmune diseases and organ transplantation survival.

Function : developmental stage:Induced at programmed cell death.,disease:Genetic variation in PDCD1 is associated with susceptibility to systemic lupus erythematosus type 2 (SLEB2) [MIM:605218]. Systemic lupus erythematosus is a chronic, inflammatory and often febrile multisystemic disorder of connective tissue. It affects principally the skin, joints, kidneys and serosal membranes. It is thought to represent a failure of the regulatory mechanisms of the autoimmune system.,function:Possible cell death inducer, in association with other factors.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,subunit:Monomer.,

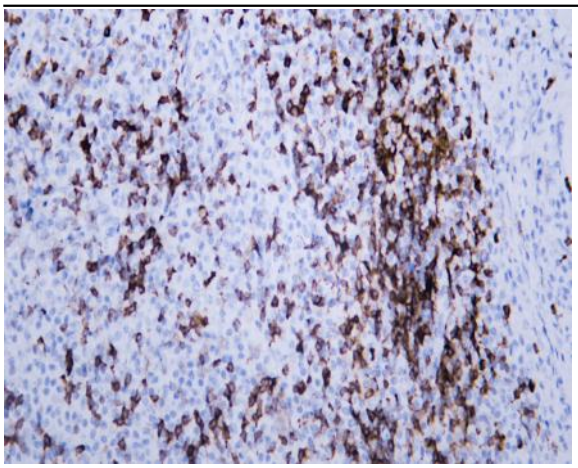
Subcellular Location : Membranous, Cytoplasmic

Expression : Placenta,Pooled tissue,Uterine cervix,

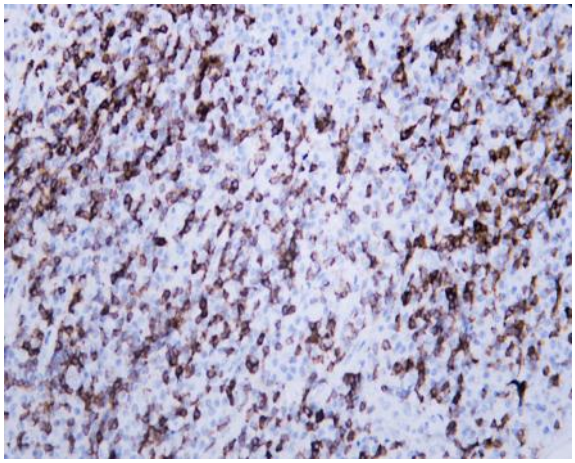
Products Images



Whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-PD-1 (ABT-PD1)antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: MOLT-4



Human lymphoma tissue was stained with Anti-PD-1 (ABT-PD1) Antibody



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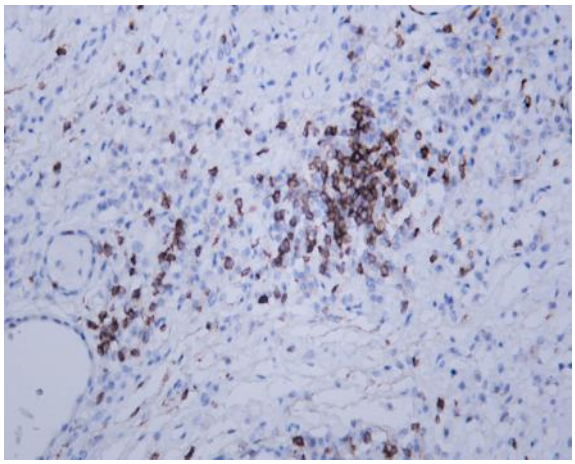

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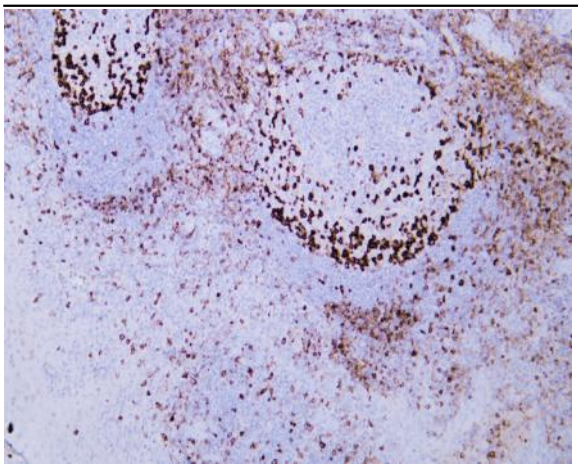

Human tonsil tissue was stained with Anti-PD-1 (ABT-PD1) Antibody