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Anti-CD229 Antibody

Catalog # AP60334

Product Information

Application	WB, IHC
Primary Accession	Q9HBG7
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	72139

Additional Information

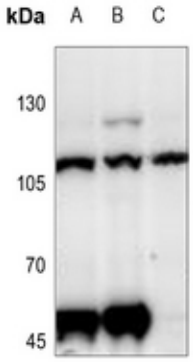
Gene ID	4063
Other Names	T-lymphocyte surface antigen Ly-9; Cell surface molecule Ly-9; Lymphocyte antigen 9; SLAM family member 3; SLAMF3; Signaling lymphocytic activation molecule 3; CD229
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD229. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

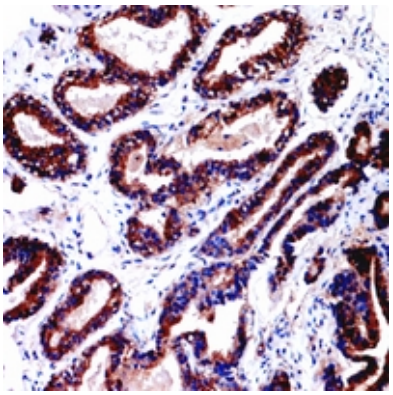
Name	LY9
Function	Self-ligand receptor of the signaling lymphocytic activation molecule (SLAM) family. SLAM receptors triggered by homo- or heterotypic cell-cell interactions are modulating the activation and differentiation of a wide variety of immune cells and thus are involved in the regulation and interconnection of both innate and adaptive immune response. Activities are controlled by presence or absence of small cytoplasmic adapter proteins, SH2D1A/SAP and/or SH2D1B/EAT-2. May participate in adhesion reactions between T lymphocytes and accessory cells by homophilic interaction. Promotes T-cell differentiation into a helper T-cell Th17 phenotype leading to increased IL-17 secretion; the costimulatory activity requires SH2D1A (PubMed:22184727). Promotes recruitment of RORC to the IL-17 promoter (PubMed:22989874). May be involved in the maintenance of peripheral cell tolerance by serving as a negative regulator of the immune response. May disable autoantibody responses and inhibit IFN-gamma secretion by CD4(+) T-cells. May negatively

	regulate the size of thymic innate CD8(+) T-cells and the development of invariant natural killer T (iNKT) cells (By similarity).
Cellular Location	Membrane; Single-pass type I membrane protein. Cell membrane
Tissue Location	Increased surface expression on T-cells of systemic lupus erythematosus (SLE) patients.

Images



Western blot analysis of CD229 expression in SGC7901 (A), HCT116 (B), HUT78 (C) whole cell lysates. (Predicted band size: 72 kD; Observed band size: 110 kD)



Immunohistochemical analysis of CD229 staining in human prostate cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.