10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CD272 Antibody

Catalog # AP61027

Product Information

Application	WB
Primary Accession	Q7Z6A9
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32834

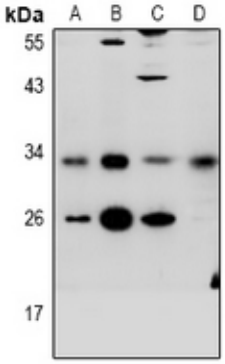
Additional Information

Gene ID	151888
Other Names	B- and T-lymphocyte attenuator; B- and T-lymphocyte-associated protein; CD272
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD272. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
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	BTLA {ECO:0000303|PubMed:12796776, ECO:0000312|HGNC:HGNC:21087}
Function	Inhibitory receptor on lymphocytes that negatively regulates antigen receptor signaling via PTPN6/SHP-1 and PTPN11/SHP-2 (PubMed:12796776, PubMed:14652006, PubMed:15568026, PubMed:18193050). May interact in cis (on the same cell) or in trans (on other cells) with TNFRSF14 (PubMed:19915044). In cis interactions, appears to play an immune regulatory role inhibiting in trans interactions in naive T cells to maintain a resting state. In trans interactions, can predominate during adaptive immune response to provide survival signals to effector T cells (PubMed:19915044).
Cellular Location	Cell membrane; Single-pass type I membrane protein

Images



Western blot analysis of CD272 expression in HCT116 (A), LO2 (B), C6 (C), CT26 (D) whole cell lysates. (Predicted band size: 32 kD; Observed band size: 33 kD)

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