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HHLA2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10650a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q9UM44
Other Accession	NP_009003.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30079
Calculated MW	46850
Antigen Region	58-87

Additional Information

Gene ID	11148
Other Names	HERV-H LTR-associating protein 2, Human endogenous retrovirus-H long terminal repeat-associating protein 2, HHLA2
Target/Specificity	This HHLA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 58-87 amino acids of human HHLA2.
Dilution	WB~~1:2000 IHC-P~~1:100~500 FC~~1:25 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	HHLA2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

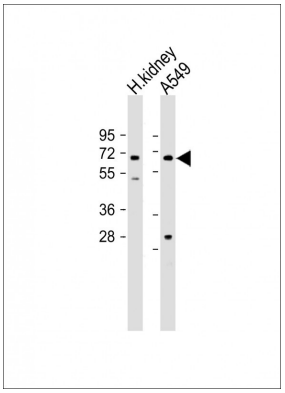
Name	HHLA2
Function	Through interaction with TMIGD2, costimulates T-cells in the context of TCR-mediated activation. Enhances T-cell proliferation and cytokine production via an AKT-dependent signaling cascade.

Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	Expressed at high levels in colon, kidney, testis, lung and pancreas, and at lower levels in small intestine, liver and skeletal muscle. In immune cells, highly expressed in B-cells, dendritic cells and macrophages. Not detected in T-cells

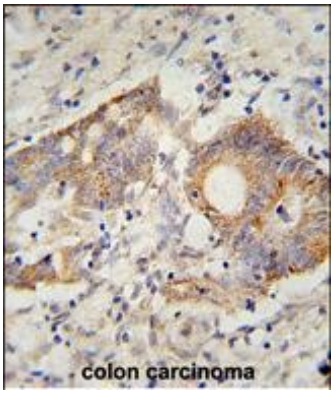
References

Mager, D.L., et al. Genomics 59(3):255-263(1999)

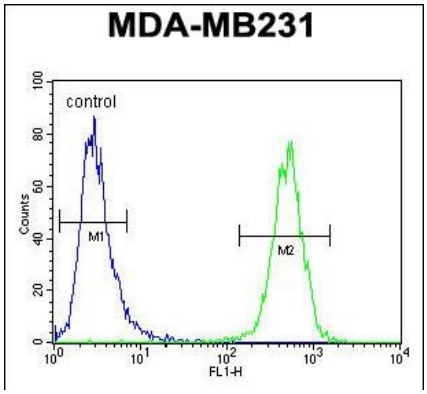
Images



All lanes : Anti-HHLA2 Antibody (N-term) at 1:2000 dilution Lane 1: Human kidney lysate Lane 2: A549 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 70 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



HHLA2 Antibody (N-term) (Cat. #AP10650a) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the HHLA2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



HHLA2 Antibody (N-term) (Cat. #AP10650a) flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Citations

- B7-H5/CD28H is a co-stimulatory pathway and correlates with improved prognosis in pancreatic ductal adenocarcinoma.

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