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Anti-CD239 Rabbit Monoclonal Antibody

Catalog # ABO15670

Product Information

Application	WB, IHC, IP, FC
Primary Accession	P50895
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-CD239 Rabbit Monoclonal Antibody . Tested in WB, IHC, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

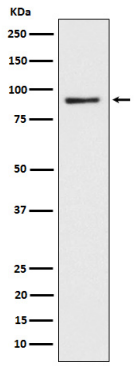
Gene ID	4059
Other Names	Basal cell adhesion molecule, Auberger B antigen, B-CAM cell surface glycoprotein, F8/G253 antigen, Lutheran antigen, Lutheran blood group glycoprotein, CD239, BCAM, LU, MSK19
Calculated MW	67405
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 IP 1:50 FC 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 22B46
Immunogen	A synthesized peptide derived from human CD239
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	BCAM
Synonyms	LU, MSK19

Function	Transmembrane glycoprotein that functions as both a receptor and an adhesion molecule playing a crucial role in cell adhesion, motility, migration and invasion (PubMed:9616226, PubMed:31413112). Extracellular domain enables binding to extracellular matrix proteins, such as laminin, integrin and other ligands while its intracellular domain interacts with cytoskeletal proteins like hemoglobin, facilitating cell signal transduction (PubMed:17158232). Serves as a receptor for laminin alpha-5/LAMA5 to promote cell adhesion (PubMed:15975931). Mechanistically, JAK2 induces BCAM phosphorylation and activates its adhesion to laminin by stimulating a Rap1/AKT signaling pathway in the absence of EPOR (PubMed:23160466).
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Wide tissue distribution (highest in the pancreas and very low in brain). Closely associated with the basal layer of cells in epithelia and the endothelium of blood vessel walls

Images



Western blot analysis of CD239 expression in HepG2 cell lysate.

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