

CD239 Rabbit mAb
Catalog # AP78209**Specification**

CD239 Rabbit mAb - Product Information

Application	WB
Primary Accession	P50895
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	67405

CD239 Rabbit mAb - Additional Information**Gene ID** 4059**Other Names**
BCAM**Dilution**
WB~~1/500-1/1000**Format**
Liquid**CD239 Rabbit mAb - 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

CD239 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD239 Rabbit mAb - Images