

CD239 Polyclonal Antibody
Catalog # AP73660**Specification**

CD239 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	P50895
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

CD239 Polyclonal Antibody - Additional Information**Gene ID** 4059**Other Names**

BCAM; LU; MSK19; Basal cell adhesion molecule; Auberger B antigen; B-CAM cell surface glycoprotein; F8/G253 antigen; Lutheran antigen; Lutheran blood group glycoprotein; CD239

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

CD239 Polyclonal Antibody - 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

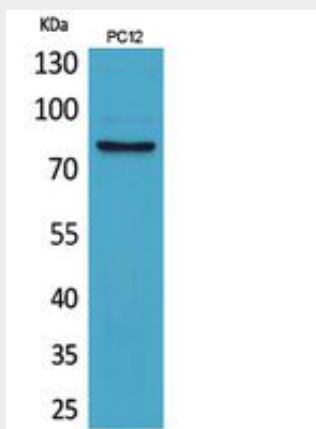
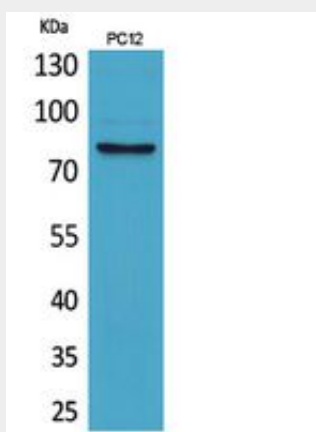
Tissue Location

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 Polyclonal Antibody - 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 Polyclonal Antibody - Images**CD239 Polyclonal Antibody - Background**

Laminin alpha-5 receptor. May mediate intracellular signaling.