

BCAM antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14504**Specification**

BCAM antibody - C-terminal region - Product Information

Application	WB
Primary Accession	P50895
Other Accession	NM_005581 , NP_005572
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Predicted	Human, Mouse, Rat, Rabbit, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64kDa kDa

BCAM antibody - C-terminal region - Additional Information**Gene ID** 4059**Alias Symbol** AU, CD239, LU, MSK19**Other Names**

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

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-BCAM antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

BCAM antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

BCAM antibody - C-terminal region - 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

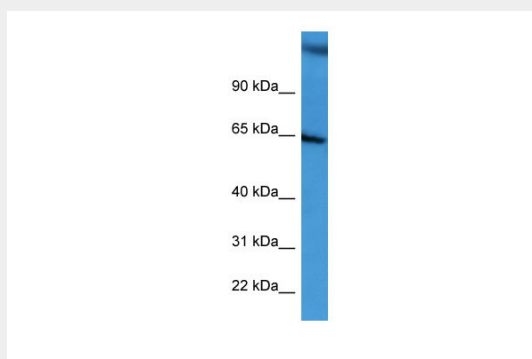
Wide tissue distribution (highest in the pancreas and very low in brain). Closely associated with the basal layer of cells in epithelia and the endothelium of blood vessel walls

BCAM antibody - C-terminal region - 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](#)

BCAM antibody - C-terminal region - Images



WB Suggested Anti-BCAM Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:312500

Positive Control: HepG2 cell lysate

BCAM is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells

BCAM antibody - C-terminal region - References

Parsons S.F., et al. Proc. Natl. Acad. Sci. U.S.A. 92:5496-5500(1995).

Grimwood J., et al. Nature 428:529-535(2004).

Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Campbell I.G.,et al.Cancer Res. 54:5761-5765(1994).

Wang C.,et al.Submitted (NOV-2007) to the EMBL/GenBank/DDBJ databases.