Everest Biotech Ltd
Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD, UK

www.everestbiotech.com

info@everestbiotech.com
sales@everestbiotech.com

Tel +44 1869 238326
Fax +44 1869 238327

Research Use Only. Not for diagnostic or therapeutic use.

Storage: Aliquot and store at -20°C. Minimize freezing and thawing.

Product: EB05849 – Goat anti-MYO18B

*This product is one of a range of **Investigative Grade** antibodies, made against targets that have limited or no commercial antibodies available to them and for which there are no data on the expression of the protein in the range of common cell lines and tissues available to us. These antibodies are affinity purified using their peptide immunogen and are known to give low background staining in a western blot (see Application Notes below). However no additional claims are made for their ability to recognise native protein in any application.*

Target Protein

Principal Names: MYO18B; myosin XVIIIB; BK125H2.1; bK125H2.1; myosin 18B

Official Gene Symbol: MYO18B

Accession Number(s): NP_115997

Human Gene ID(s): 84700

Immunogen

Peptide with sequence C-DDVASIMKKYLQK, from the C Terminus of the protein sequence according to NP_115997

Purification

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied as 100 µg of purified antibody. 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:64,000. Western Blot: Preliminary experiments gave no signal but low background in Human Heart and A431 lysates at up to 1µg/ml. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates?

Species Reactivity

Tested:
Expected from sequence similarity: Human

Background Reference

Nishioka M, Kohno T, Tani M, Yanaihara N, Tomizawa Y, Otsuka A, Sasaki S, Kobayashi K, Niki T, Maeshima A, Sekido Y, Minna JD, Sone S, Yokota J.
MYO18B, a candidate tumor suppressor gene at chromosome 22q12.1, deleted, mutated, and methylated in human lung cancer.
Proc Natl Acad Sci U S A. 2002 Sep 17;99(19):12269-74.
PMID: 12209013