

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB11779 - Goat Anti-TSPAN14 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: DC-TM4F2, tetraspanin 14, tetraspanin similar to TM4SF9,

tetraspanin-14, TM4SF14, transmembrane 4 superfamily member 14, TSPAN14, tspan-14

Official Symbol: TSPAN14

Accession Number(s): NP_112189.2; NP_001121781.1

Human GenelD(s): 81619

Non-Human GeneID(s): 52588 (mouse), 306324 (rat)

Important Comments: This antibody is expected to recognize both reported isoforms

(NP_112189.2; NP_001121781.1).

Immunogen

Peptide with sequence C-SDIEAVKAGHH, from the C Terminus of the protein sequence according to NP_112189.2; NP_001121781.1.

Please note the peptide is available for sale.

Purification and Storage

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

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

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

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.

Western blot: Approx 30kDa band observed in Mouse Lung lysates (calculated MW of 30.6kDa according to Mouse NP_666040.1). Recommended concentration: 1-3µg/ml.

Species Reactivity

Tested: Mouse

Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow

Specific Reference

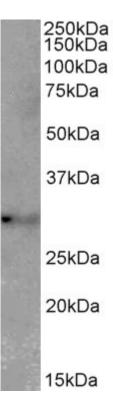
This antibody has been successfully used in Western blot on Human and Mouse:

Noy PJ, Yang J, Reyat JS, Matthews AL, Charlton AE, Furmston J, Rogers DA, Rainger GE, Tomlinson MG.

TspanC8 Tetraspanins and A Disintegrin and Metalloprotease 10 (ADAM10) Interact Via Their Extracellular Regions: Evidence For Distinct Binding Mechanisms For Different TspanC8s.

J Biol Chem. 2015 Dec 14. pii: jbc.M115.703058. [Epub ahead of print]

PMID: 26668317



EB11779 ($2\mu g/ml$) staining of Mouse Lung lysate ($35\mu g$ protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.