

## **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.

# EB06374 - Goat Anti-ECSM2 Antibody

Size: 100µg specific antibody in 200µl



# **Target Protein**

Principal Names: endothelial cell-specific marker 2, endothelial cell-specific molecule 2,

hypothetical protein LOC641700

Official Symbol: ECSM2

Accession Number(s): NP\_001071161.1

### **Immunogen**

Peptide with sequence C-NNGKQSLSAEKVL, from the C Terminus of the protein sequence according to NP\_001071161.1.

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 50kDa band observed in Human Lung and Human Umbilical Cord lysates (calculated MW of 21.3kDa according to NP\_001071161.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Ref PMID: 18556573). Recommended concentration: 1-3µg/ml.

**IHC:** Paraffin embedded Human Vessel. Recommended concentration: 5µg/ml. This product has been successfully used in IHC on Human: Matsuo K et al, J Biol Chem. 2015 Feb 6;290(6):3784. PMID: 25533470.

**Immunofluorescence:** This product has been successfully used in IF on Human: Matsuo K et al, J Biol Chem. 2015 Feb 6;290(6):3784. PMID: 25533470.

#### **Species Reactivity**

Tested: Human

Expected from sequence similarity: Human

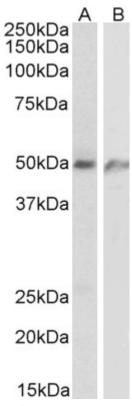
### **Specific Reference**

This antibody has been successfully used in IHC and IF on Human:

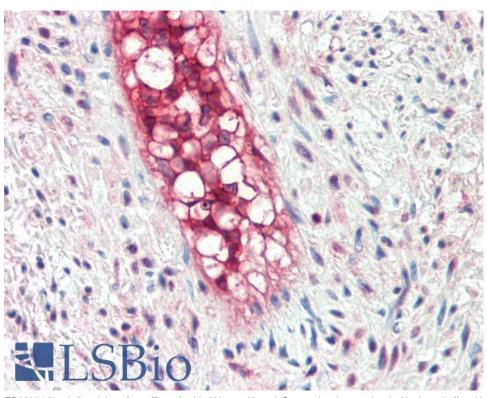
Matsuo K, Akakabe Y, Kitamura Y, Shimoda Y, Ono K, Ueyama T, Matoba S, Yamada H, Hatakeyama K, Asada Y, Emoto N, Ikeda K.

Loss of apoptosis regulator through modulating IAP expression (ARIA) protects blood vessels from J Biol Chem. 2015 Feb 6;290(6):3784

PMID: 25533470



EB06374 (1μg/ml) staining of Human lung (A) and Human Umbilical Cord (B) lysates (35μg protein in RIPA buffer). Primary incubation was 1 hour.



EB06374 (5µg/ml) staining of paraffin embedded Human Vessel. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.