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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.

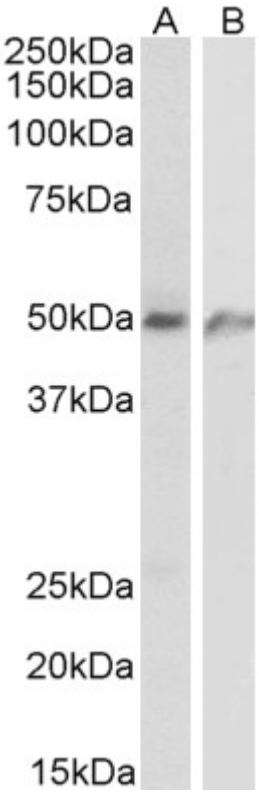
Immunofluorescence: This product has been successfully used in IF on Human: Matsuo K et al, J Biol Chem. 2015 Feb 6;290(6):3784. PMID: 25533470.

Species Reactivity

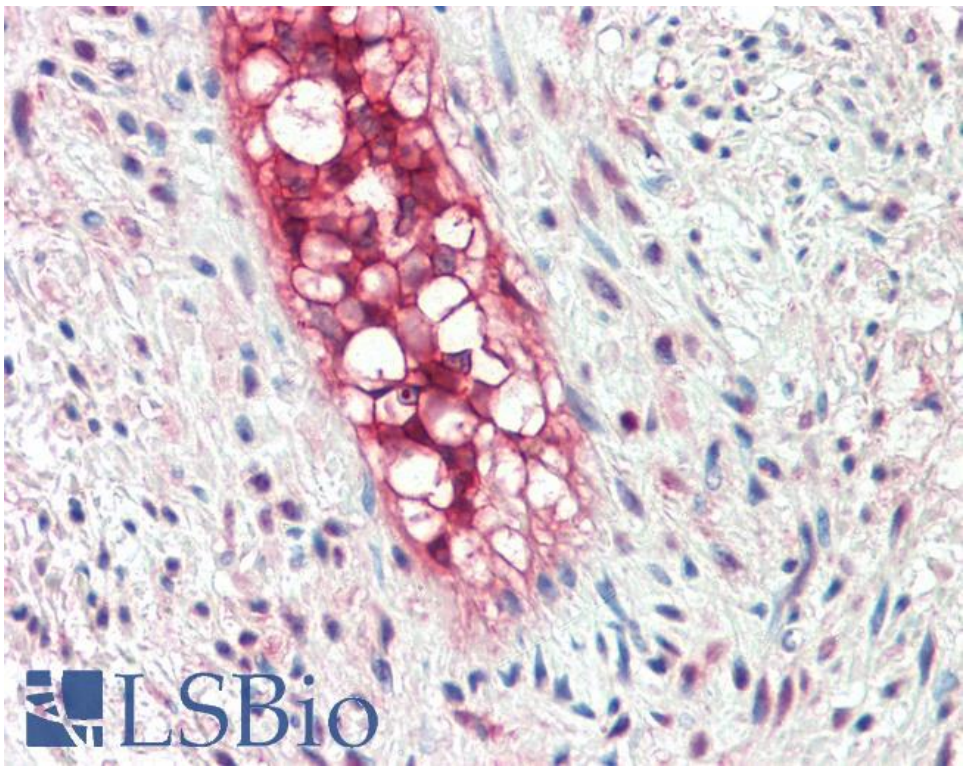
Tested: Human
Expected from sequence similarity: Human

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 froma
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.