

ARG42138 anti-ECSM2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes ECSM2
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ECSM2
Species	Human
Immunogen	Synthetic peptide around the C-terminus of Human ECSM2. (C-NNGKQSLSAEKVL) (NP_001071161.1)
Conjugation	Un-conjugated
Alternate Names	Apoptosis regulator through modulating IAP expression; ARIA; Endothelial cell-specific molecule 2; Endothelial cell-specific chemotaxis regulator; ECSM2

Application Instructions

Application table	Application	Dilution
	IHC-P	5 µg/ml
	WB	1 - 3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Human lung and Human umbilical cord.	
Observed Size	~ 50 kDa	

Properties

Form	Liquid
Purification	Ammonium sulphate precipitation followed by affinity purification with immunogen.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

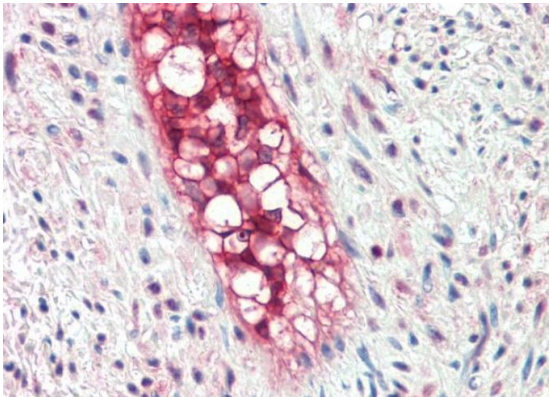
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

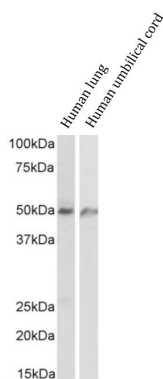
Gene Symbol	ECSCR
Gene Full Name	endothelial cell surface expressed chemotaxis and apoptosis regulator
Background	The protein encoded by this gene is primarily found in endothelial cells and blood vessels, where it is involved in cell shape changes and EGF-induced cell migration. It can enhance the activation of vascular endothelial growth factor receptor-2/kinase insert domain receptor and also promote the proteolysis of internalized kinase insert domain receptor. This gene may play a role in angiogenesis-related diseases. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]
Function	Regulates endothelial chemotaxis and tube formation. Has a role in angiogenesis and apoptosis via modulation of the actin cytoskeleton and facilitation of proteasomal degradation of the apoptosis inhibitors BIRC3/IAP1 and BIRC2/IAP2. [UniProt]
Calculated Mw	21 kDa
PTM	May be heavily O-glycosylated. [UniProt]
Cellular Localization	Cell membrane; Single-pass type I membrane protein. Cytoplasm. [UniProt]

Images



ARG42138 anti-ECSM2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human vessel tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG42138 anti-ECSM2 antibody at 5 µg/ml dilution followed by AP-staining.



ARG42138 anti-ECSM2 antibody WB image

Western blot: 35 µg of Human lung and Human umbilical cord lysates (in RIPA buffer) stained with ARG42138 anti-ECSM2 antibody at 1 µg/ml dilution and incubated at RT for 1 hour.