

ARG66601 anti-LYVE1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes LYVE1
Tested Reactivity	Hu
Tested Application	FACS, IHC-Fr, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	LYVE1
Species	Human
Immunogen	Recombinant Human LYVE1.
Conjugation	Un-conjugated
Alternate Names	Lymphatic vessel endothelial hyaluronic acid receptor 1; Hyaluronic acid receptor; LYVE-1; XLKD1; HAR; Extracellular link domain-containing protein 1; CRSBP-1; Cell surface retention sequence-binding protein 1

Application Instructions

Application table	Application	Dilution
	FACS	Assay-dependent
	IHC-Fr	1:30 - 1:200
	IHC-P	1:10-1:300
	WB	Assay-dependent

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

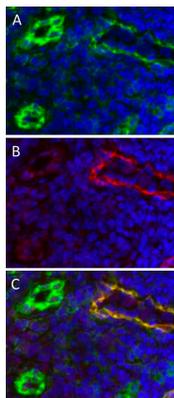
Properties

Form	Liquid
Buffer	PBS
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

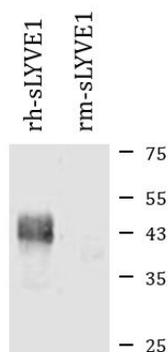
Gene Symbol	LYVE1
Gene Full Name	lymphatic vessel endothelial hyaluronan receptor 1
Background	This gene encodes a type I integral membrane glycoprotein. The encoded protein acts as a receptor and binds to both soluble and immobilized hyaluronan. This protein may function in lymphatic hyaluronan transport and have a role in tumor metastasis. [provided by RefSeq, Jul 2008]
Function	Ligand-specific transporter trafficking between intracellular organelles (TGN) and the plasma membrane. Plays a role in autocrine regulation of cell growth mediated by growth regulators containing cell surface retention sequence binding (CRS). May act as a hyaluronan (HA) transporter, either mediating its uptake for catabolism within lymphatic endothelial cells themselves, or its transport into the lumen of afferent lymphatic vessels for subsequent re-uptake and degradation in lymph nodes. [UniProt]
Calculated Mw	35 kDa
PTM	O-glycosylated. [UniProt]
Cellular Localization	Membrane; Single-pass type I membrane protein. Note=Localized to the plasma membrane and in vesicles near extranuclear membranes which may represent trans-Golgi network (TGN) and endosomes/prelysosomal compartments. Undergoes ligand-dependent internalization and recycling at the cell surface. [UniProt]

Images



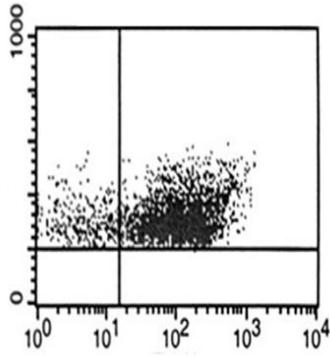
ARG66601 anti-LYVE1 antibody IHC-Fr image

Immunohistochemistry: Cryo sections of Human colon carcinoma tissue stained with ARG66601 anti-LYVE1 antibody (red) and anti-Human CD31 (green). A: CD31; B: LYVE1; C: Merged.



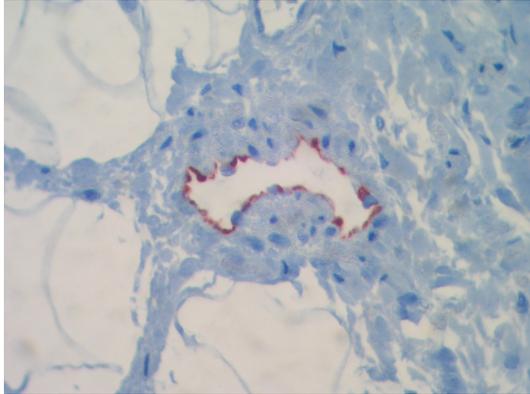
ARG66601 anti-LYVE1 antibody WB image

Western blot: Recombinant Human sLYVE1 and Mouse sLYVE1 stained with ARG66601 anti-LYVE1 antibody. There is more or less no cross reactivity with Mouse LYVE1.



ARG66601 anti-LYVE1 antibody FACS image

Flow Cytometry: Human dermal microvascular endothelial cells (HDMVEC) stained with ARG66601 anti-LYVE1 antibody.



ARG66601 anti-LYVE1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human intestine (border area of a colon carcinoma) stained with ARG66601 anti-LYVE1 antibody.