ARG45143
anti-LAR antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes LAR
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	LAR
Species	Human
Immunogen	Synthetic peptide corresponding to internal region of human LAR.
Conjugation	Un-conjugated
Alternate Names	|anti LAR antibody|LAR||Receptor-type tyrosine-protein phosphatase F|3.1.3.48|Leukocyte common antigen related|LAR|PTPRF|LAR|Leukocyte Antigen-Related Tyrosine Phosphatase|Protein Tyrosine Phosphatase Receptor Type F Polypeptide|Receptor-Linked Protein Tyrosine Phosphatase LAR|Leukocyte Antigen-Related LAR PTP Receptor|LCA-Homolog|BNAH2|

Application Instructions

Application table

Application	Dilution
IHC-P	0.5-1 µg/ml
WB	0.1-0.5 µg/ml

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

Observed Size: 240 kDa

Properties

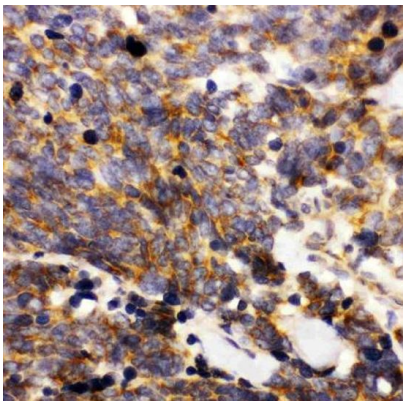
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term 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

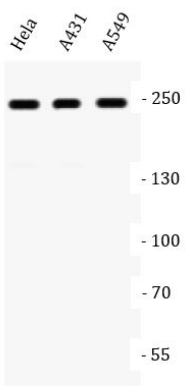
Gene Symbol	LAR
Gene Full Name	Leukocyte-antigen-related-like
Background	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains three Ig-like domains, and nine non-Ig like domains similar to that of neural-cell adhesion molecule. This PTP was shown to function in the regulation of epithelial cell-cell contacts at adherents junctions, as well as in the control of beta-catenin signaling. An increased expression level of this protein was found in the insulin-responsive tissue of obese, insulin-resistant individuals, and may contribute to the pathogenesis of insulin resistance. Two alternatively spliced transcript variants of this gene, which encode distinct proteins, have been reported. [provided by RefSeq, Jul 2008]
Function	Possible cell adhesion receptor. It possesses an intrinsic protein tyrosine phosphatase activity (PTPase) and dephosphorylates EPHA2 regulating its activity. [UniProt]
Calculated Mw	213 kDa
PTM	Disulfide bond; Glycoprotein; Phosphoprotein. [UniProt]
Cellular Localization	Membrane. [UniProt]

Images



ARG45143 anti-LAR antibody IHC-P image

Immunohistochemistry: Human lung cancer stained with ARG45143 anti-LAR antibody at 1 µg/ml dilution.



ARG45143 anti-LAR antibody WB image

Western blot: Hela, A431, and A549 stained with ARG45143 anti-LAR antibody at 0.5 µg/ml dilution.