



LR16A rabbit pAb

Catalog No	YP-Ab-12126
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB;IHC
Gene Name	LRRC16A CARMIL LRRC16
Immunogen	Synthesized peptide derived from human LR16A AA range: 853-903
Specificity	This antibody detects endogenous levels of LR16A at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CARMIL;CARMIL homolog;CARMIL1a;LRRC16;LRRC16A;LR16A;LRRC16A CARMIL LRRC16
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cytoplasm . Cytoplasm, cytoskeleton . Cell membrane . Cell projection, lamellipodium . Found on macropinosomes (PubMed:19846667). Colocalized with heterodimeric capping protein (CP) and F-actin in lamellipodia but not with F-actin in stress fibers (PubMed:19846667). .
Tissue Specificity	Expressed in lung, placenta, small intestine, liver, thymus, colon, skeletal muscle, heart and brain. Higher expression in kidney.
Function	function: Binds CAPZA2 with high affinity and significantly decreases CAPZA2 affinity for actin barbed ends. Increases the rate of elongation from seeds in the presence of CAPZA2, however, seems unable to nucleate filaments. Rapidly uncaps barbed ends capped by CAPZA2 and enhances barbed-end actin polymerization.,similarity: Belongs to the CARMIL family.,similarity: Contains 11 LRR (leucine-rich) repeats.,subcellular location: Colocalized with F-actin in lamellipodia but not with F-actin in stress fibers.,subunit: Interacts via its C-terminus with CAPZA2 in cytoplasm; interaction is essential for lamellipodial



protrusion and cell translocation.,tissue specificity:Expressed in lung, placenta, small intestine, liver, thymus, colon, skeletal muscle, heart and brain. Higher expression in kidney.,

Background

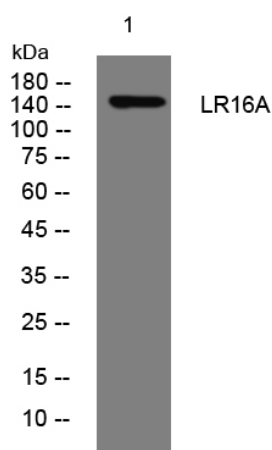
matters needing attention

Avoid repeated freezing and thawing!

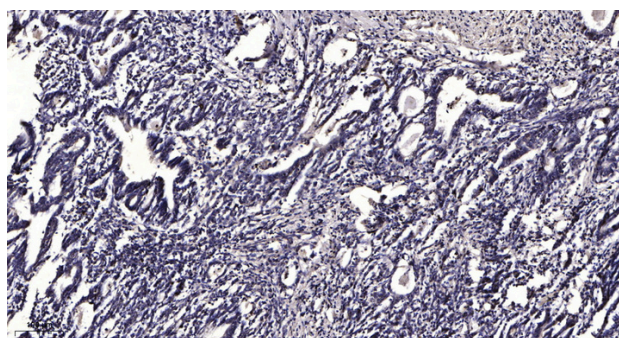
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).