LRPAP1 Antibody

Catalog No: #36959

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Description

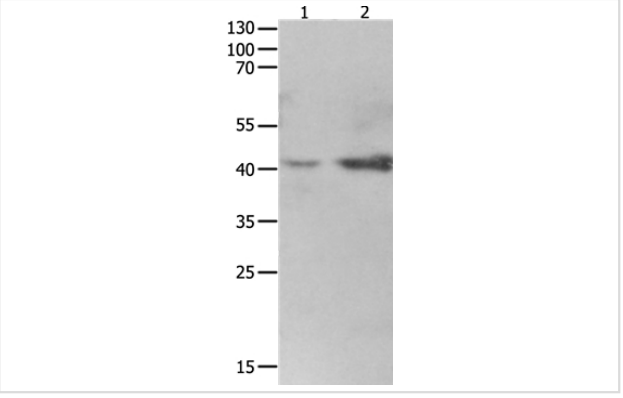
Product Name	LRPAP1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total LRPAP1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to residues near the C terminal of human low density lipoprotein receptor-related protein associated protein 1
Target Name	LRPAP1
Other Names	RAP; MRAP; A2RAP; HBP44; A2MRAP
Accession No.	Swiss-Prot#: P30533NCBI Gene ID: 4043Gene Accssion: NP_002328
Uniprot	P30533
GeneID	4043;
SDS-PAGE MW	41kd
Concentration	3.2mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

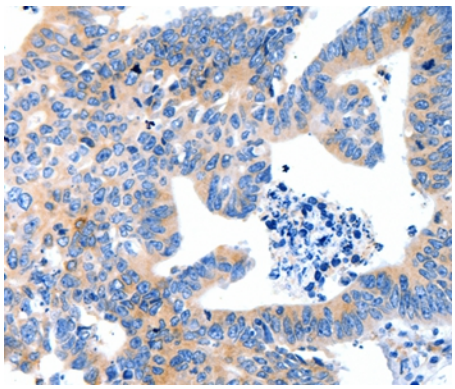
Western blotting: 1:500-1:2000

Immunohistochemistry: 1:50-1:200

Images



Gel: 10%SDS-PAGE
Lysates (from left to right): 293T cell and fetal kidney tissue
Amount of lysate: 40ug per lane
Primary antibody: 1/1600 dilution
Secondary antibody dilution: 1/8000
Exposure time: 2 minutes



Immunohistochemical analysis of paraffin-embedded Human colon cancer tissue using #36959 at dilution 1/100.

Background

Low density lipoprotein receptor-related protein associated protein 1?also known as?LRPAP1?or?RAP?is a chaperone?protein?which in humans is encoded by the LRPAP1?gene. LRPAP1 is involved with trafficking of certain members of the LDL receptor family including LRP1 and LRP2. It is a glycoprotein that binds to the alpha-2-macroglobulin receptor, as well as to other members of the low density lipoprotein receptor family. It acts to inhibit the binding of all know ligands for these receptors, and may prevent receptor aggregation and degradation in the endoplasmic reticulum, thereby acting as a molecular chaperone. It may be under the regulatory control of calmodulin, since it is able to bind calmodulin and be phosphorylated by calmodulin-dependent kinase II.

Note: This product is for in vitro research use only