For Research Use Only

LRG1 Polyclonal antibody

Catalog Number:13224-1-AP Featured Product 34 Publications

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Basic Information

Catalog Number:
13224-1-AP

Size:
150ul , Concentration: 500 ug/ml by Nanodrop and 373 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG3964

GenBank Accession Number:
BC034389

GeneID (NCBI):
116844

UNIPROT ID:
P02750

Full Name:
leucine-rich alpha-2-glycoprotein 1

Calculated MW:
347 aa, 38 kDa

Observed MW:
45 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:500-1:2000
IHC: 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human, mouse

Cited Species:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human plasma,

IHC : human liver tissue, mouse brain tissue, mouse liver tissue, human liver cancer tissue, human pancreas cancer tissue

Background Information

LRG1, also known as LRG, is a member of the leucine-rich repeat (LRR) family of proteins, containing eight LRR (leucine-rich) repeats and one LRRCT domain. The gene of LRG1 maps to chromosome 19p13.3, and encodes a 347-amino acid protein with a predicted unmodified molecular weight of 38 kD. The mature form of LRG1 is a secreted glycoprotein which has 312 amino acids and an experimentally determined molecular mass of 45 kD. The LRR family of proteins, including LRG1, have been shown to be involved in protein-protein interaction, signal transduction, and cell adhesion and development. LRG1 is expressed during granulocyte differentiation. Levels of the LRG protein are markedly elevated in acute appendicitis and therefore could be used as a diagnostic aid.

Notable Publications

Author	Pubmed ID	Journal	Application
ZhengTao Gu	32975015	J Cell Mol Med	WB
Qiong-Qiong Xing	31520916	Biomed Pharmacother	WB
Chenghao Liu	32887674	Diabetes	WB,IF,FC

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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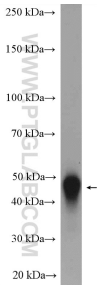
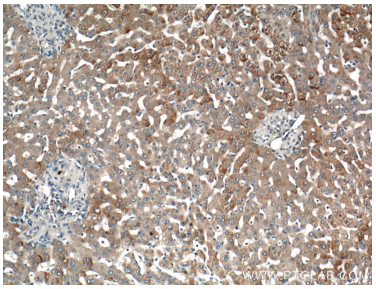
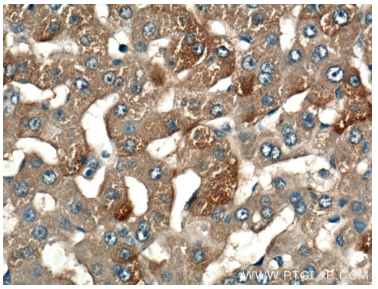
Selected Validation Data



human plasma were subjected to SDS PAGE followed by western blot with 13224-1-AP (LRG1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 13224-1-AP (LRG1 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 13224-1-AP (LRG1 Antibody) at dilution of 1:200 (under 40x lens).