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LRP12 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11761b

Product Information

Application	WB, IHC-P, IF, FC, E
Primary Accession	Q9Y561
Other Accession	Q8BUJ9, Q9BE74, NP_038465.1
Reactivity	Human
Predicted	Mouse, Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31403
Calculated MW	94984
Antigen Region	635-662

Additional Information

Gene ID	29967
Other Names	Low-density lipoprotein receptor-related protein 12, LRP-12, Suppressor of tumorigenicity 7 protein, LRP12, ST7
Target/Specificity	This LRP12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 635-662 amino acids from the C-terminal region of human LRP12.
Dilution	WB~~1:1000 IHC-P~~1:100~500 IF~~1:10~50 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	LRP12 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LRP12
Synonyms	ST7

Function	Probable receptor, which may be involved in the internalization of lipophilic molecules and/or signal transduction. May act as a tumor suppressor.
Cellular Location	Membrane; Single- pass type I membrane protein. Membrane, coated pit
Tissue Location	Widely expressed in heart, skeletal muscle, brain, lung, placenta and pancreas, but not in tissues consisting of a large number of epithelial cells, such as liver and kidney. Expressed at very low levels in a number of tumor-derived cell lines

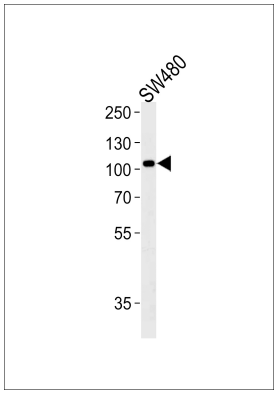
Background

This gene encodes a member of the low-density lipoprotein receptor related protein family. The product of this gene is a transmembrane protein that is differentially expressed in many cancer cells. Alternate splicing results in multiple transcript variants.

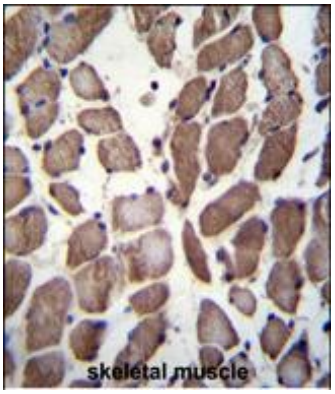
References

Garnis, C., et al. Oncogene 23(14):2582-2586(2004)
Battle, M.A., et al. Biochemistry 42(24):7270-7282(2003)
Qing, J., et al. Oncogene 18(2):335-342(1999)

Images

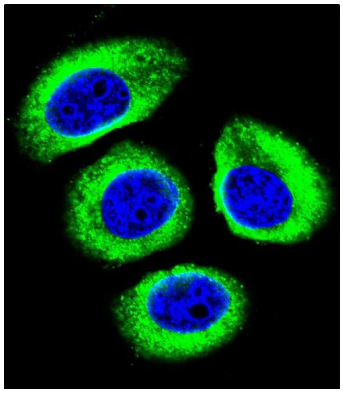


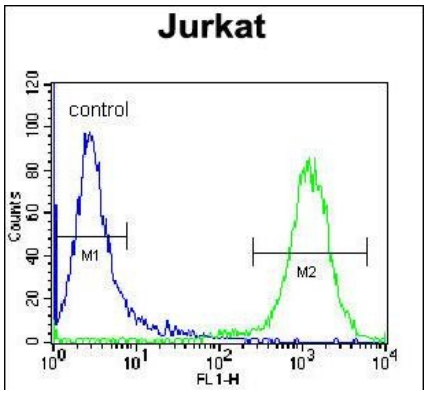
Western blot analysis of lysate from SW480 cell line,using LRP12 Antibody (C-term)(Cat. #AP11761b).AP11761b was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug per lane.



LRP12 Antibody (C-term) (Cat. #AP11761b)immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of LRP12 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Confocal immunofluorescent analysis of LRP12 Antibody (C-term)(Cat#AP11761b) with U-251MG cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).





LRP12 Antibody (C-term) (Cat. #AP11761b) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.