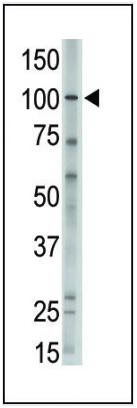
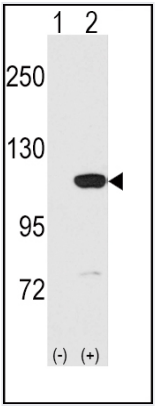
LRP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

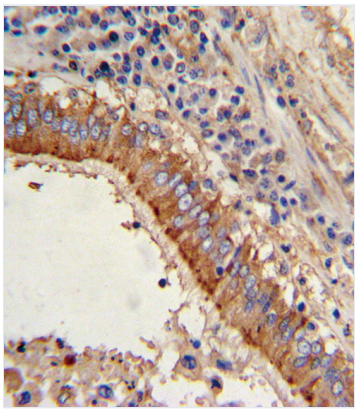
Product Name	LRP, Polyclonal Antibody
Full Product Name	LRP, CT (Major Vault Protein, Lung Resistance-related Protein, MVP) (Biotin)
Product Gene Name	anti-LRP antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human MVP.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	99,327 Da
OMIM	605088
3D Structure	ModBase 3D Structure for Q14764
Immunogen	Synthetic peptide selected from the C-terminal region of human MVP (KLH).
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-LRP antibody	Antibodies; Multi Drug Resistance (MDR)
Applications Tested/Suitable for anti-LRP antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-LRP antibody	IHC: 1:50-1:100 ELISA: 1:1,000 WB: 1:100-1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-LRP antibody	MBS6485420 is an antibody targeting LRP. Also known as LRP, CT (Major Vault Protein, Lung Resistance-related Protein, MVP) (Biotin). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-LRP antibody	1. Aronica, E., et al., Epilepsia 44(9):1166-1175 (2003). 2. Klunder, J.W., et al., Hum. Pathol. 34(2):150-155 (2003). 3. Burger, H., et al., Clin. Cancer Res. 9(2):827-836 (2003). 4. Yu, Z., et al., J. Biol. Chem. 277(43):40247-40252 (2002). 5. van den Heuvel-Eibrink, M.M., et al., Leukemia 16(5):833-839 (2002).
Other Notes	Small volumes of anti-LRP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



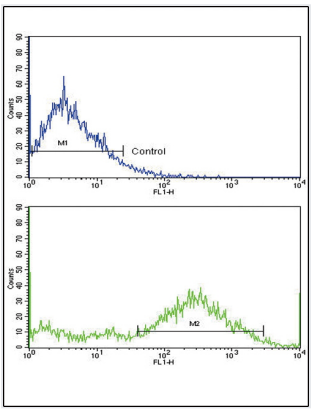
Western Blot (WB) of anti-LRP antibody
The anti-MVP C-term Antibody is used in Western blot to detect MVP in A375 lysate.



Western Blot (WB) of anti-LRP antibody
Western blot analysis of MVP (arrow) using rabbit polyclonal MVP C-term Antibody. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the MVP gene (Lane 2) (Origene Technologies).



Immunohistochemistry (IHC) of anti-LRP antibody
Formalin-fixed and paraffin-embedded human lung carcinoma with MVP Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow Cytometry (FC/FACS) of anti-LRP antibody
Flow cytometric analysis of NCI-H292 cells using MVP Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LRP. It may not necessarily be applicable to this product.

NCBI GI #	19913412
NCBI GeneID	9961
NCBI Accession #	NP_005106
UniProt Primary Accession #	Q14764
UniProt Secondary Accession #	Q96BG4; Q9BPW6; Q9BQT1; Q9UBD1
UniProt Related Accession #	Q14764
GenBank Nucleotide #	NM_005115
NCBI Official Full Name	major vault protein isoform 1
NCBI Official Synonym Full Names	major vault protein
NCBI Official Symbol	MVP
NCBI Official Synonym Symbols	LRP; VAULT1
UniProt Protein Name	Major vault protein
UniProt Synonym Protein Names	Lung resistance-related protein

Protein Family	HTH-type transcriptional regulator
UniProt Gene Name	MVP
UniProt Synonym Gene Names	LRP; MVP
UniProt Entry Name	MVP_HUMAN
NCBI Protein Information	major vault protein; lung resistance-related protein
UniProt Comments for LRP	MVP: Required for normal vault structure. Vaults are multi- subunit structures that may act as scaffolds for proteins involved in signal transduction. Vaults may also play a role in nucleo- cytoplasmic transport. Down-regulates INFG-mediated STAT1 signaling and subsequent activation of JAK. Down-regulates SRC activity and signaling through MAP kinases. Protein type: RNA-binding Chromosomal Location of Human Ortholog: 16p11.2 Cellular Component: cytoskeleton; membrane; perinuclear region of cytoplasm; cytoplasm; nuclear pore; nucleus; ribonucleoprotein complex Molecular Function: protein binding; protein phosphatase binding; protein kinase binding Biological Process: cell proliferation; protein transport; mRNA transport; negative regulation of protein amino acid autophosphorylation
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