

## Anti-LRP5 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

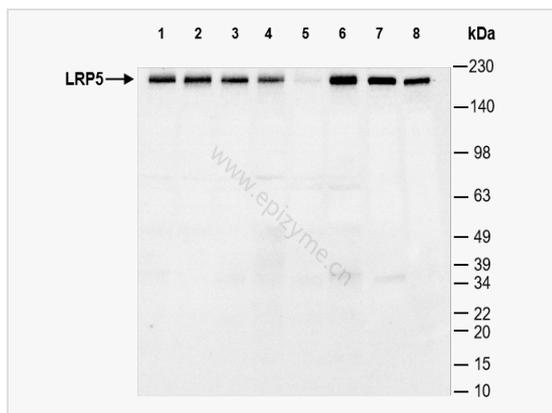
Catalog # R014517

### Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	54E24M17
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human LRP5
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-LRP5 Rabbit mAb [54E24M17] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	BMND1, EVR1, EVR4, HBM, Low density lipoprotein receptor related protein 5, Low density lipoprotein receptor related protein 7, Low-density lipoprotein receptor-related protein 5, LR3, LRP-5, Lrp5, LRP5_HUMAN, LRP7, OPPG, OPS, OPTA1, Osteoporosis pseudoglioma syndrome, VBCH2.
Calculated MW	Calculated MW: 179 kDa; Observed MW: 200 kDa
Uniprot ID	O75197
Gene ID	4041
Background	This gene encodes a transmembrane low-density lipoprotein receptor that binds and internalizes ligands in the process of receptor-mediated endocytosis. This protein also acts as a co-receptor with Frizzled protein family members for transducing signals by Wnt proteins and was originally cloned on the basis of its association with type 1 diabetes mellitus in humans. This protein plays a key role in skeletal homeostasis and many bone density related diseases are caused by mutations in this gene. Mutations in this gene also cause familial exudative vitreoretinopathy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]
Cellular Location	Membrane. Endoplasmic reticulum. Chaperoned to the plasma membrane by MESD.
Tissue Location	Widely expressed, with the highest level of expression in the liver.



Western Blot - Anti-LRP5 Rabbit mAb [54E24M17]

All lanes: R014517 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates

Lane 6: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 7: Rat heart whole tissue lysates

Lane 8: Rat kidney whole tissue lysates

Lysates/proteins at 10  $\mu$ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 179 kDa

Observed band size: 200 kDa

Developed using the ECL technique (Cat. No. SQ201).