

## **Product datasheet for TA378123**

## **LRP5 Rabbit Polyclonal Antibody**

## **Product data:**

**Product Type:** Primary Antibodies

**Applications:** ICC/IF, WB

Recommended Dilution: WB,1:500 - 1:2000

IF,1:50 - 1:200

**Reactivity:** Mouse, Rat **Modifications:** Unmodified

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**Immunogen:** Recombinant fusion protein containing a sequence corresponding to amino acids 1000-1250

of human LRP5 (NP\_002326.2).

**Formulation:** Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

**Concentration:** lot specific

**Purification:** Affinity purification

Conjugation: Unconjugated

Store at -20°C. Avoid freeze / thaw cycles.

**Stability:** Shelf life: one year from despatch.

**Predicted Protein Size:** 179kDa

**Gene Name:** LDL receptor related protein 5

Database Link: <u>075197</u>

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.



**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

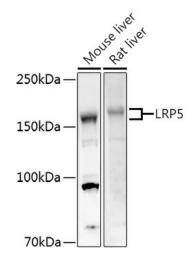
Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



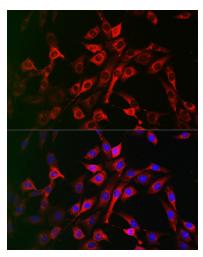
Synonyms:

BMND1; EVR1; EVR4; HBM; LR3; LRP7; OPPG; OPS; OPTA1; VBCH2

## **Product images:**

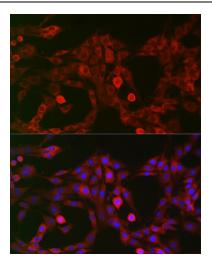


Western blot analysis of extracts of various cell lines, using LRP5 antibody (TA378123) at 1:500 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Enhanced Kit. | Exposure time: 180s.



Immunofluorescence analysis of NIH/3T3 cells using LRP5 Rabbit pAb (TA378123) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.





Immunofluorescence analysis of PC-12 cells using LRP5 Rabbit pAb (TA378123) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.