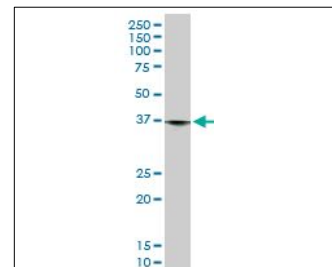


KB478

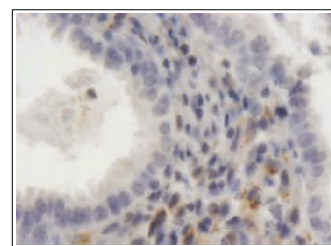
For research use only

## Anti Human LRP1 Polyclonal Antibody

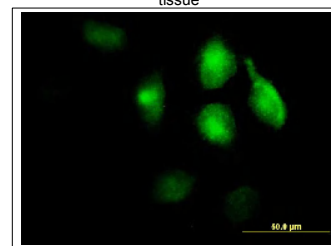
<b>Code No.</b>	KB478
<b>Target</b>	LRP1
<b>Category</b>	Others
<b>Gene ID</b>	4035
<b>Primary Source</b>	HGNC:6692
<b>Synonyms</b>	APR; LRP; A2MR; CD91; APOER; TGFB5; IGFBP3R; FLJ16451; MGC88725; LRP1
<b>Type</b>	Polyclonal Antibody
<b>Immunogen</b>	Recombinant protein of full length Human LRP1
<b>Raised in</b>	Mouse
<b>Myeloma</b>	-
<b>Clone number</b>	-
<b>Purification</b>	Protein A purified
<b>Source</b>	Mouse Serum
<b>Isotype</b>	-
<b>Cross Reactivity</b>	-
<b>Label</b>	Unlabeled
<b>Concentration</b>	1 mg/mL
<b>Contents (Volume)</b>	50 µg
<b>Buffer</b>	PBS, pH 7.2



[WB] LRP1 transfected 293T cell lysate



[IHC] Paraffin embedded human endometrium tissue



[IF] HeLa cell

**Storage** Store at - 20 °C long term, store at 4 °C short term. Avoid repeated freeze-thaw cycles.

**Application** WB, IHC, IF

ELISA	WB	IHC	ICC
-	1.0	3.0	-
IP	FCM	IF	Neutralization
-	-	10	-

(µg/mL)

**Reference**

- Herz J., et al. "Surface location and high affinity for calcium of a 500-kd liver membrane protein closely related to the LDL-receptor suggest a physiological role as lipoprotein receptor." EMBO J. 7:4119-4127(1988)
- Van Leuven F., et al. "Structure of the gene (LRP1) coding for the human alpha 2-macroglobulin receptor lipoprotein receptor-related protein." Genomics 24:78-89(1994)
- Van Leuven F., et al. "Strategy to sequence the 89 exons of the human LRP1 gene coding for the lipoprotein receptor related protein: identification of one expressed mutation among 48 polymorphisms." Genomics 52:138-144(1998)

**UniPlot Summary**

//Function: Endocytic receptor involved in endocytosis and in phagocytosis of apoptotic cells. Required for early embryonic development. Involved in cellular lipid homeostasis. Involved in the plasma clearance of chylomicron remnants and activated LRPAP1 (alpha 2-macroglobulin), as well as the local metabolism of complexes between plasminogen activators and their endogenous inhibitors. May modulate cellular events, such as APP metabolism, kinase-dependent intracellular signaling, neuronal calcium signaling as well as neurotransmission.

//Tissue specificity: Most abundant in liver, brain and lung.

//Sequence similarities: Belongs to the LDLR family. Contains 22 EGF-like domains. Contains 31 LDL-receptor class A domains. Contains 34 LDL-receptor class B repeats.