

## Basic Information

<b>Product Name</b>	Anti-LRP8 Antibody (Clone#ACFH-12)
<b>Gene Name</b>	LRP8
<b>Source</b>	Rabbit
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG
<b>Species Reactivity</b>	human, mouse, rat
<b>Tested Application</b>	WB, IP
<b>Contents</b>	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
<b>Immunogen</b>	A synthesized peptide derived from human ApoER2 Cell surface receptor for Reelin (RELN) and apolipoprotein E (apoE) -containing ligands. LRP8 participates in transmitting the extracellular Reelin signal to intracellular signaling processes, by binding to DAB1 on its cytoplasmic tail.
<b>Concentration</b>	500 ug/ml
<b>Purification</b>	Affinity-chromatography
<b>Observed MW</b>	106 kDa
<b>Dilution Ratios</b>	Western blot (WB): 1:500-2000 ImmunoPrecipitation (IP):1:20

## Storage

12 months from date of receipt, -20°C as supplied.

## Background Information

This gene encodes a member of the low density lipoprotein receptor (LDLR) family. Low density lipoprotein receptors are cell surface proteins that play roles in both signal transduction and receptor-mediated endocytosis of specific ligands for lysosomal degradation. The encoded protein plays a critical role in the migration of neurons during development by mediating Reelin signaling, and also functions as a receptor for the cholesterol transport protein apolipoprotein E. Expression of this gene may be a marker for major depressive disorder. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

## Selected Validation Data

Western blot analysis of ApoER2 expression in C6 cell lysate.

