

**AP07703PU-N****Polyclonal Antibody to LRP6 (Internal) - Aff - Purified**

<b>Alternate names:</b>	LRP-6, Low-density lipoprotein receptor-related protein 6
<b>Quantity:</b>	50 µg
<b>Concentration:</b>	0.5 mg/ml
<b>Background:</b>	<p>Essential for the Wnt/beta catenin signaling pathway, probably by acting as a coreceptor together with Frizzled for Wnt. Specific high-affinity receptor for DKK1 and DKK2, but not DKK3. The interaction with DKK1 blocks LRP6-mediated Wnt/beta catenin signaling via LRP6 removal via Kremen proteins-mediated endocytosis. Defects in LRP6 are the cause of autosomal dominant coronary artery disease type 2 (ADCAD2).</p> <p>Subcellular location: Membrane and Single-pass type I membrane protein.</p>
<b>Uniprot ID:</b>	<a href="#">O75581</a>
<b>NCBI:</b>	<a href="#">NP_002327.2</a>
<b>GeneID:</b>	<a href="#">4040</a>
<b>Host:</b>	Goat
<b>Immunogen:</b>	<p>Synthetic peptide from an internal region of human LRP6 (NP_002327.2)</p> <p><b>AA Sequence:</b> CMTSVATAKGYTSDL</p>
<b>Format:</b>	<p><b>State:</b> Liquid purified IgG fraction <b>Purification:</b> Immunoaffinity Chromatography <b>Buffer System:</b> Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide</p>
<b>Applications:</b>	<p><b>ELISA:</b> 1/64000. <b>Immunohistochemistry on Paraffin Sections:</b> 5 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
<b>Specificity:</b>	This antibody recognizes an epitope corresponding to amino acids 1546-1560 of Human LRP6.
<b>Species Reactivity:</b>	<p><b>Tested:</b> Human. <b>Expected from sequence similarity:</b> Gorilla, Gibbon, Monkey, Marmoset, Rat, Hamster, Panda, Dog, Horse, Rabbit, Pig, Mouse, Elephant, Bovine, Bat.</p>
<b>Storage:</b>	<p>Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.</p>

**Pictures:**

**Figure 1.** Formalin-Fixed Paraffin-Embedded (FFPE) on Hepatocytes and Bile Duct.

