


## Product datasheet

# Anti-LRP4 antibody ab85697

[3 References](#) [1 Image](#)

### Overview

---

<b>Product name</b>	Anti-LRP4 antibody
<b>Description</b>	Goat polyclonal to LRP4
<b>Host species</b>	Goat
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Cow 
<b>Immunogen</b>	Synthetic peptide: C-SNPSYRTSTQEVK , corresponding to internal sequence amino acids 1765-1777 of Human LRP4 (NP_002325.2). <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	Human brain (cerebral cortex) lysate.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

---

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% Tris buffered saline, 0.5% BSA
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab85697 was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Clonality</b>	Polyclonal

Isotype

IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab85697 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.1 - 0.3 µg/ml. Detects a band of approximately 200 kDa (predicted molecular weight: 216 kDa). 1 hour primary incubation is recommended for this product.

## Target

### Function

Potential cell surface endocytic receptor, which binds and internalizes extracellular ligands for degradation by lysosomes. Involved in the negative regulation of the canonical Wnt signaling pathway, being able to antagonize the LRP6-mediated activation of this pathway.

### Tissue specificity

Expressed in several regions of the brain.

### Involvement in disease

Defects in LRP4 are the cause of Cenani-Lenz syndactyly syndrome (CLSS) [MIM:212780]. It is a congenital malformation syndrome defined as complete and complex syndactyly of the hands combined with malformations of the forearm bones and similar manifestations in the lower limbs.

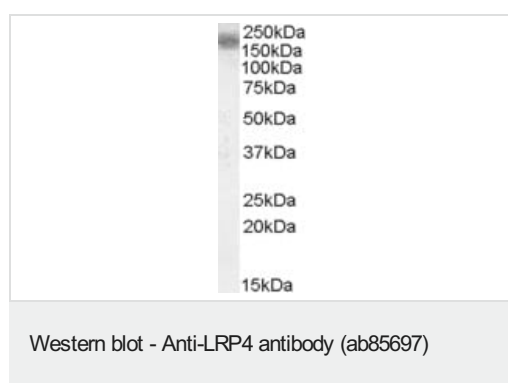
### Sequence similarities

Belongs to the LDLR family.  
Contains 3 EGF-like domains.  
Contains 8 LDL-receptor class A domains.  
Contains 20 LDL-receptor class B repeats.

### Cellular localization

Membrane.

## Images



Anti-LRP4 antibody (ab85697) at 0.1 µg/ml + Human cerebral cortex lysate (in RIPA buffer) at 35 µg

**Predicted band size:** 216 kDa

**Observed band size:** 200 kDa

Primary incubation was 1 hour. Detected by chemiluminescence.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

**Our Abpromise to you: Quality guaranteed and expert technical support**

- 
- Replacement or refund for products not performing as stated on the datasheet
  - Valid for 12 months from date of delivery
  - Response to your inquiry within 24 hours
  
  - We provide support in Chinese, English, French, German, Japanese and Spanish
  - Extensive multi-media technical resources to help you
  - We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors