

Datasheet for ABIN2781811  
**anti-LRP8 antibody (Middle Region)**



[Go to Product page](#)

1 Image

## Overview

|                      |                                                                                             |
|----------------------|---------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                      |
| Target:              | LRP8                                                                                        |
| Binding Specificity: | Middle Region                                                                               |
| Reactivity:          | Human, Mouse, Rat, Dog, Guinea Pig, Horse, Rabbit, Sheep, Zebrafish (Danio rerio), Cow, Pig |
| Host:                | Rabbit                                                                                      |
| Clonality:           | Polyclonal                                                                                  |
| Conjugate:           | This LRP8 antibody is un-conjugated                                                         |
| Application:         | Western Blotting (WB)                                                                       |

## Product Details

|                       |                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:            | The immunogen is a synthetic peptide corresponding to a region of Mouse                                                                 |
| Sequence:             | NRKMLIFSTD FLSHPFGVAV FEDKVFWTDL ENEAIFSANR LNGLEIALA                                                                                   |
| Predicted Reactivity: | Cow: 93%, Dog: 86%, Guinea Pig: 86%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 93%, Rabbit: 93%, Rat: 92%, Sheep: 93%, Zebrafish: 79% |
| Characteristics:      | This is a rabbit polyclonal antibody against Lrp8. It was validated on Western Blot.                                                    |
| Purification:         | Affinity Purified                                                                                                                       |

## Target Details

|                   |                                        |
|-------------------|----------------------------------------|
| Target:           | LRP8                                   |
| Alternative Name: | Lrp8 ( <a href="#">LRP8 Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Lrp8 is the 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. Reelin acts via both the VLDL receptor (VLDLR) and LRP8 to regulate DAB1 tyrosine phosphorylation and microtubule function in neurons. LRP8 has higher affinity for Reelin than VLDLR. LRP8 is thus a key component of the Reelin pathway which governs neuronal layering of the forebrain during embryonic brain development. Lrp8 binds the endoplasmic reticulum resident receptor-associated protein (RAP). Binds dimers of beta 2-glycoprotein I and may be involved in the suppression of platelet aggregation in the vasculature. Lrp8 is highly expressed in the initial segment of the epididymis, where it affects the functional expression of clusterin and phospholipid hydroperoxide glutathione peroxidase (PHGPx), two proteins required for sperm maturation. Lrp8 may also function as an endocytic receptor.</p> <p>Alias Symbols: 4932703M08Rik, AA921429, AI848122, Lr8b, apoER2, ApoER2</p> <p>Protein Interaction Partner: Dab1, Mapk8ip1, Mapk8ip2, Snx17,</p> <p>Protein Size: 996</p> |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                   |         |
|-------------------|---------|
| Molecular Weight: | 110 kDa |
|-------------------|---------|

|          |       |
|----------|-------|
| Gene ID: | 16975 |
|----------|-------|

|                 |                                                       |
|-----------------|-------------------------------------------------------|
| NCBI Accession: | <a href="#">NM_053073</a> , <a href="#">NP_444303</a> |
|-----------------|-------------------------------------------------------|

|          |                        |
|----------|------------------------|
| UniProt: | <a href="#">Q924X6</a> |
|----------|------------------------|

## Application Details

|                    |                                                                                    |
|--------------------|------------------------------------------------------------------------------------|
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
|--------------------|------------------------------------------------------------------------------------|

|          |                      |
|----------|----------------------|
| Comment: | Antigen size: 996 AA |
|----------|----------------------|

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|         |        |
|---------|--------|
| Format: | Liquid |
|---------|--------|

|                |              |
|----------------|--------------|
| Concentration: | Lot specific |
|----------------|--------------|

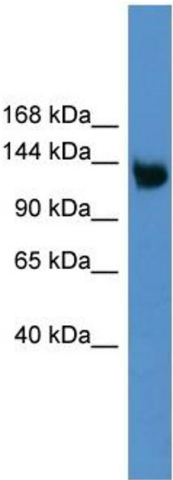
|         |                                                                                                     |
|---------|-----------------------------------------------------------------------------------------------------|
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
|---------|-----------------------------------------------------------------------------------------------------|

|               |              |
|---------------|--------------|
| Preservative: | Sodium azide |
|---------------|--------------|

Handling

|                    |                                                                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                  |
| Handling Advice:   | Avoid repeated freeze-thaw cycles.                                                                                                      |
| Storage:           | -20 °C                                                                                                                                  |
| Storage Comment:   | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Images



Rabbit Anti-Lrp8 Antibody  
Catalog Number: ARP44306  
Lot Number: QC14226  
Lane: Mouse Liver Lysate  
  
Antibody Titration: 1.0µg/ml  
Gel Concentration: 6-18%

**Western Blotting**

**Image 1.** WB Suggested Anti-Lrp8 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Mouse Liver