



Order: (888)-282-5810 (Phone)  
(818)-707-0392 (Fax)  
[order@abiocode.com](mailto:order@abiocode.com)  
Web: [www.Abiocode.com](http://www.Abiocode.com)

---

## LGR4 (N2) Antibody, Rabbit Polyclonal

**Cat#: R2515-3**

**Quantity: 100 ul**

**Predicted | Observed MW: 104 | 120 kDa**

**Lot#: Refer to vial**

**Application: WB**

**Uniprot ID: Q9BXB1**

### **Background:**

Leucine-rich repeat-containing G-protein coupled receptor 4 (LGR4) is a multi-pass cell membrane protein that belongs to G protein-coupled receptor (GPCR) I family. LGR4 is a receptor for R-spondins that potentiates the canonical Wnt signaling pathway and is involved in the formation of various organs. Upon binding to R-spondins (RSPO1, RSPO2, RSPO3 or RSPO4), LGR4 associates with phosphorylated LRP6 and frizzled receptors that are activated by extracellular Wnt receptors, triggering the canonical Wnt signaling pathway to increase expression of target genes. In contrast to classical G-protein coupled receptors, LGR4 does not activate heterotrimeric G-proteins to transduce the signal. Its function as activator of the Wnt signaling pathway is required for the development of various organs, including liver, kidney, intestine, bone, reproductive tract and eye. LGR4 may also act as a receptor for norrin (NDP).

### **Other Names:**

Leucine-rich repeat-containing G-protein coupled receptor 4, G-protein coupled receptor 48, GPR48

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human LGR4. Antibodies were purified by affinity purification using immunogen.

### **Storage Buffer and Condition:**

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN<sub>3</sub>. Store at -20 °C. Stable for 6 months from date of receipt.

### **Species Specificity:**

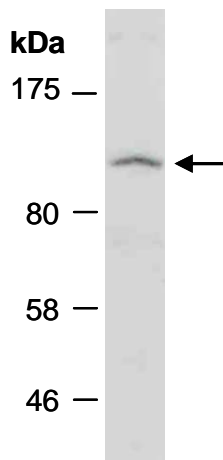
Human, Mouse

### **Tested Applications:**

WB: 1:1,000-1:3,000 (detect endogenous protein\*)

\*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

**Product Data:**



**Fig 1.** Western blot of total cell extracts from mouse thymus; using anti-LGR4 (N2) (R2515-3) at RT for 2 h.