

Product datasheet

Anti-LGR5 antibody [EPR3065Y] α b75850

Recombinant RabMAb

★★★★☆ 7 Abreviews 43 References 4 Images

Overview

Product name	Anti-LGR5 antibody [EPR3065Y]
Description	Rabbit monoclonal [EPR3065Y] to LGR5
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Fetal skeletal, human and mouse skeletal, mouse and rat brain lysates.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS</p>

Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR3065Y
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab75850 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	★★★★★ (1)	1/1000. Predicted molecular weight: 100 kDa.

Application notes Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

Target

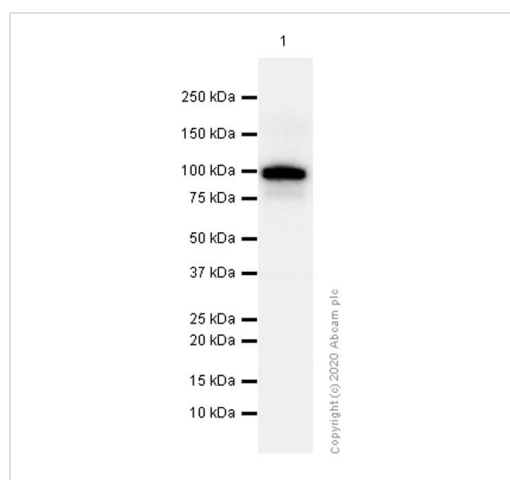
Function Orphan receptor. Stem cell marker of the intestinal epithelium and the hair follicle. Target gene of Wnt signaling.

Tissue specificity Expressed in skeletal muscle, placenta, spinal cord, and various region of brain. Expressed at the base of crypts in colonic and small mucosa stem cells. In premalignant cancer expression is not restricted to the cript base. Overexpressed in cancers of the ovary, colon and liver.

Sequence similarities Belongs to the G-protein coupled receptor 1 family.
Contains 16 LRR (leucine-rich) repeats.
Contains 1 LRRNT domain.

Cellular localization Cell membrane.

Images



Western blot - Anti-LGR5 antibody [EPR3065Y] (ab75850)

Anti-LGR5 antibody [EPR3065Y] (ab75850) at 1/1000 dilution (Purified) + Human skeletal muscle lysate at 20 µg

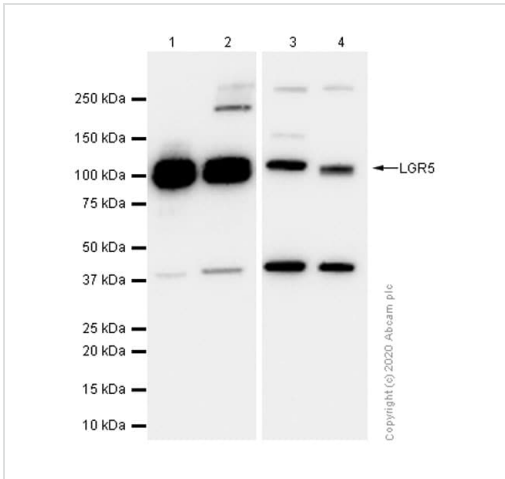
Secondary

Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 100 kDa

Observed band size: 100 kDa

Blocking Buffer and concentration: 5% NFDm/TBST



Western blot - Anti-LGR5 antibody [EPR3065Y] (ab75850)

All lanes : Anti-LGR5 antibody [EPR3065Y] (ab75850) at 1/1000 dilution (Purified)

Lane 1 : Mouse skeletal muscle lysate

Lane 2 : Rat skeletal muscle lysate

Lane 3 : Mouse brain lysate

Lane 4 : Rat brain lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

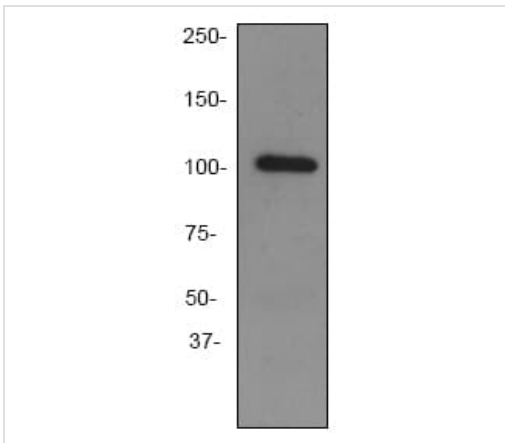
Predicted band size: 100 kDa

Observed band size: 100 kDa

Additional bands at: 38 kDa. We are unsure as to the identity of these extra bands.

We are unsure about the identity of the additional band.

Blocking Buffer and concentration: 5% NFDM/TBST



Western blot - Anti-LGR5 antibody [EPR3065Y] (ab75850)

Anti-LGR5 antibody [EPR3065Y] (ab75850) at 1/1000 dilution (unpurified) + Fetal skeletal muscle lysate at 10 µg

Secondary

HRP-labeled goat anti-rabbit at 1/2000 dilution

Predicted band size: 100 kDa

Observed band size: 100 kDa

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-LGR5 antibody [EPR3065Y] (ab75850)

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

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