

Datasheet for ABIN543553  
**anti-LGR5 antibody (AA 451-480)**[2 Images](#)[3 Publications](#)[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	LGR5
Binding Specificity:	AA 451-480
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LGR5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of LGR5.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to amino acids 451-480 at internal region of human LGR5.
Cross-Reactivity:	Human

## Target Details

Target:	LGR5
Alternative Name:	LGR5 / GPR49 ( <a href="#">LGR5 Products</a> )
Gene ID:	8549
Pathways:	<a href="#">WNT Signaling</a>

## Application Details

Application Notes:	Western Blot (1:1000) Immunohistochemistry (1:10-50) The optimal working dilution should be determined by the end user.
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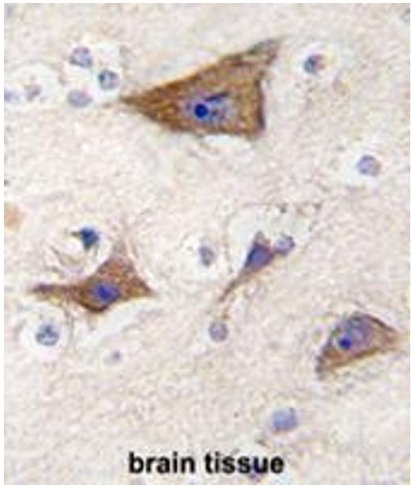
Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Buffer:	In PBS (0.09 % sodium azide)
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

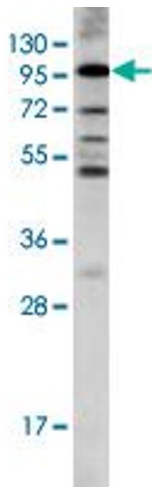
## Publications

Product cited in:	<p>Barker, van Es, Kuipers, Kujala, van den Born, Cozijnsen, Haegebarth, Korving, Begthel, Peters, Clevers: "Identification of stem cells in small intestine and colon by marker gene Lgr5." in: <b>Nature</b>, Vol. 449, Issue 7165, pp. 1003-7, (2007) (<a href="#">PubMed</a>).</p> <p>McClanahan, Koseoglu, Smith, Grein, Gustafson, Black, Kirschmeier, Samatar: "Identification of overexpression of orphan G protein-coupled receptor GPR49 in human colon and ovarian primary tumors." in: <b>Cancer biology &amp; therapy</b>, Vol. 5, Issue 4, pp. 419-26, (2006) (<a href="#">PubMed</a>).</p> <p>Yamamoto, Sakamoto, Fujii, Tsuiji, Kenetaka, Asaka, Hirohashi: "Overexpression of orphan G-protein-coupled receptor, Gpr49, in human hepatocellular carcinomas with beta-catenin mutations." in: <b>Hepatology (Baltimore, Md.)</b>, Vol. 37, Issue 3, pp. 528-33, (2003) (<a href="#">PubMed</a>).</p>
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#### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin-embedded human brain tissue reacted with LGR5 polyclonal antibody , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



#### Western Blotting

**Image 2.** Western blot analysis of LGR5 polyclonal antibody in K-562 cell line lysates (35 ug/lane). LGR5 (arrow) was detected using the purified polyclonal antibody.