

Product datasheet for **AP12377PU-N**

LGR5 Rabbit Polyclonal Antibody

Product data:

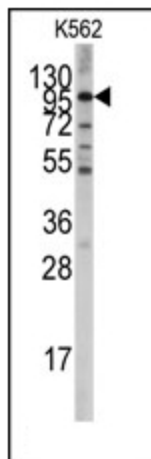
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western BLOT: 1/50-1/100. Immunohistochemistry: 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 451-480 amino acids from the center region of human LGR5/GPR49.
Specificity:	This antibody detects LGR5/GPR49 (Center).
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	leucine-rich repeat containing G protein-coupled receptor 5
Database Link:	Entrez Gene 8549 Human O75473
Background:	LGR5/GPR49 is an orphan receptor. It may be an important receptor for signals controlling growth and differentiation of specific embryonic tissues.
Synonyms:	G-protein coupled receptor 49, GPR67, HG38



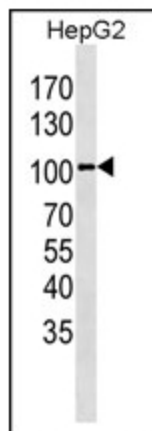
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Note: **Molecular weight:** 99867 Da

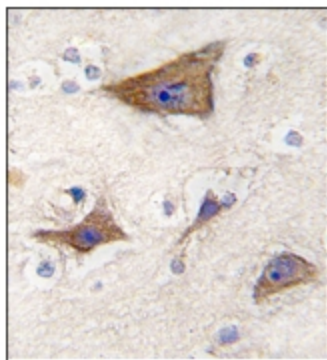
Product images:



Western blot analysis of anti-LGR5/GPR49 Antibody (Center) in K562 cell line lysates (35ug/lane). LGR5/GPR49 (arrow) was detected using the purified Pab (1:60 dilution).



Western blot analysis of anti-LGR5/GPR49 Antibody (Center) in HepG2 cell line lysates (35ug/lane). This demonstrates the LGR5/GPR49 antibody detected the LGR5/GPR49 protein (arrow) (Kindly offered by Dr. Li).



Formalin-fixed and paraffin-embedded human brain tissue reacted with LGR5/GPR49 antibody (Center), 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.