

Product datasheet for **TA351231**

H963 (GPR171) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: HT-29 cells IHC: 25-100 Positive control: Human brain Predicted cell location: Cytoplasm or Nucleus
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human GPR171
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	37 kDa
Gene Name:	G protein-coupled receptor 171
Database Link:	NP_037440 Entrez Gene 29909 Human O14626

Background: Probable G-protein coupled receptor 171 (GPR171) is a protein that in humans is encoded by the GPR171 gene. One of the most abundant peptides in brain, LENS SPQAPARRLLPP (named BigLEN), which can activate GPR171. Additional studies showed that the BigLEN?GPR171 system plays an important role in regulating feeding and metabolism in mice. Thus, GPR171 is a potential target for developing antiobesity drugs.

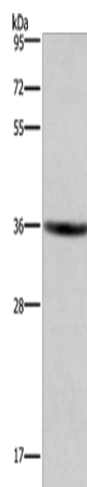


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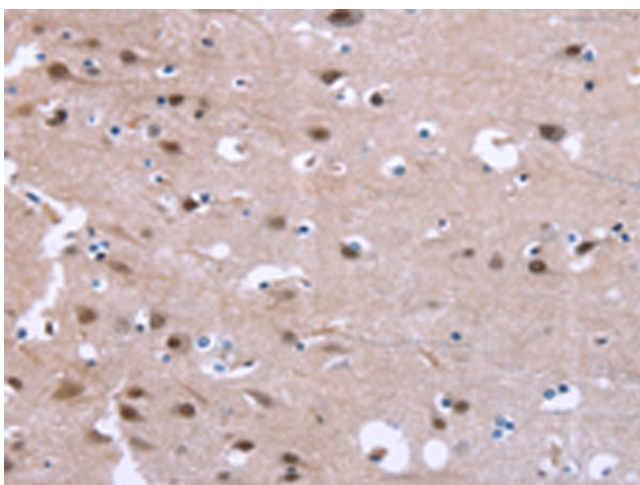
Synonyms: H963

Protein Families: Druggable Genome, GPCR, Transmembrane

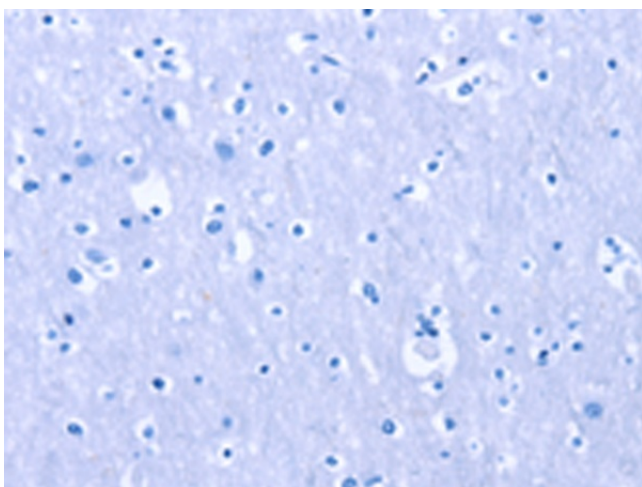
Product images:



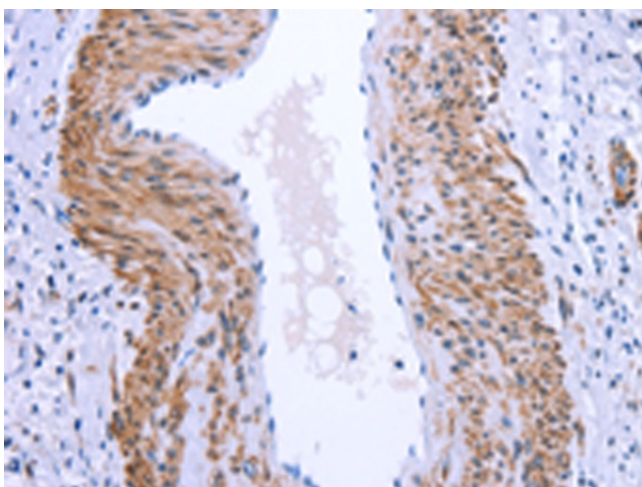
Gel: 8%SDS-PAGE
Lysate: 40 μ g
Lane: HT29 cells
Primary antibody: TA351231 (GPR171 Antibody)
at dilution 1/400
Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution
Exposure time: 3 minutes



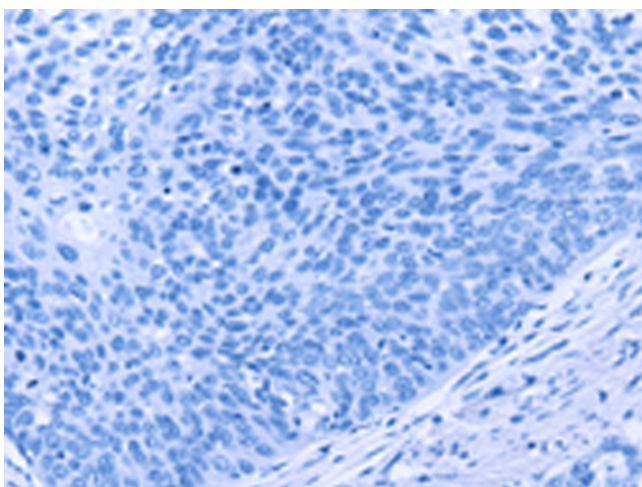
Immunohistochemistry of paraffin-embedded
Human brain tissue using TA351231 (GPR171
Antibody) at dilution 1/25 (Original magnification:
 $\times 200$)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA351231 (GPR171 Antibody) at dilution 1/25, treated with synthetic peptide. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA351231 (GPR171 Antibody) at dilution 1/25 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA351231 (GPR171 Antibody) at dilution 1/25, treated with synthetic peptide. (Original magnification: $\times 200$)