

GPR17 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9852c**Specification**

GPR17 Antibody (Center) - Product Information

Application	FC, IHC-P, WB,E
Primary Accession	Q13304
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	40989
Antigen Region	230-258

GPR17 Antibody (Center) - Additional Information**Gene ID** 2840**Other Names**

Uracil nucleotide/cysteinyl leukotriene receptor, UDP/CysLT receptor, G-protein coupled receptor 17, P2Y-like receptor, R12, GPR17

Target/Specificity

This GPR17 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 230-258 amino acids from the Central region of human GPR17.

Dilution

FC~~1:10~50

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GPR17 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

GPR17 Antibody (Center) - Protein Information**Name** GPR17

Function Dual specificity receptor for uracil nucleotides and cysteinyl leukotrienes (CysLTs). Signals through G(i) and inhibition of adenylyl cyclase. May mediate brain damage by nucleotides and CysLTs following ischemia.

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

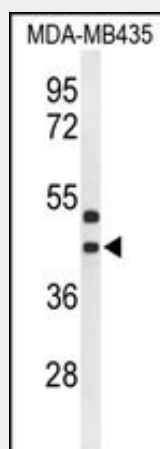
Expressed in brain, kidney, heart and umbilical vein endothelial cells. Highest level in brain

GPR17 Antibody (Center) - Protocols

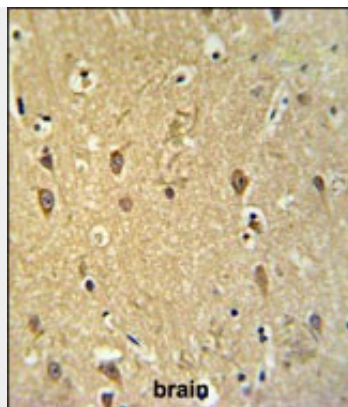
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

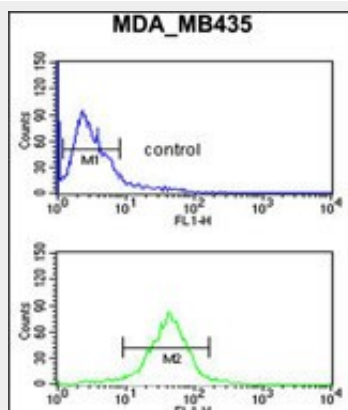
GPR17 Antibody (Center) - Images



Western blot analysis of GPR17 Antibody (Center) (Cat. #AP9852c) in MDA-MB435 cell line lysates (35ug/lane). GPR17 (arrow) was detected using the purified Pab.



GPR17 Antibody (Center) (Cat. #AP9852c) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GPR17 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



GPR17 Antibody (Center) (Cat. #AP9852c) flow cytometric analysis of MDA-MB435 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

GPR17 Antibody (Center) - Background

Members of the G protein coupled receptor (GPCR) superfamily contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins. The organization of the GPR17 gene differs from that of many other GPCRs in that the open reading frame is distributed on 2 exons; an additional exon contains the 5 prime untranslated region. Human GPR17 is expressed as 2.3 and 6.3 kb mRNAs exclusively in brain. The 2 transcripts appear to represent alternatively polyadenylated variants. Based on protein sequence homology and the conservation of certain key residues, GPR17 appears to be closely related to the P2Y family of GPCRs. There are two named isoforms.

GPR17 Antibody (Center) - References

Pugliese, A.M., et al. Am. J. Physiol., Cell Physiol. 297 (4), C1028-C1040 (2009)
Parravicini, C., et al. BMC Bioinformatics 9, 263 (2008)
Ciana, P., et al. EMBO J. 25(19):4615-4627(2006)