

Datasheet for ABIN952606
anti-GPR17 antibody (Middle Region)[Go to Product page](#)

3 Images

Overview

Quantity:	0.4 mL
Target:	GPR17
Binding Specificity:	AA 237-266, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPR17 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the central region (between 237-266aa) of human GPR17.
Isotype:	Ig Fraction
Specificity:	This antibody detects human GPR17.
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Purified through a protein A column; followed by peptide affinity purification.

Target Details

Target:	GPR17
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Target Details

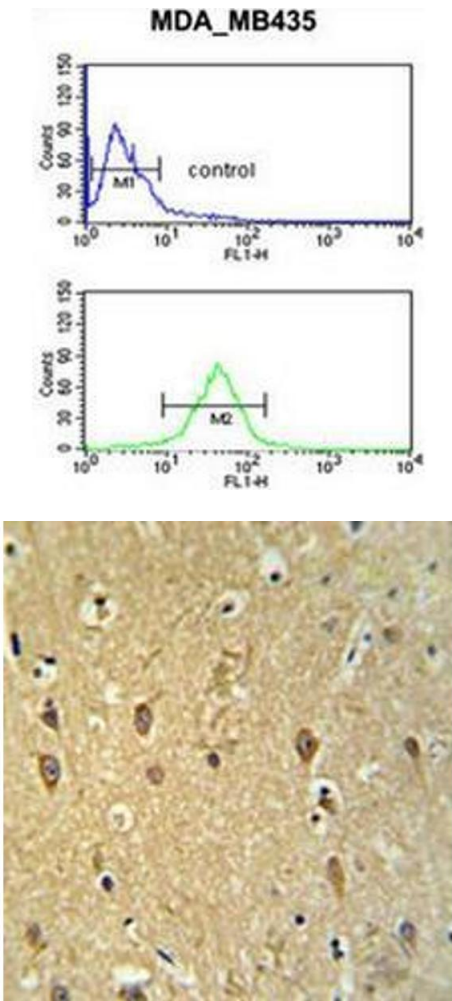
Alternative Name:	GPR17 (GPR17 Products)
Background:	Members of the G protein coupled receptor (GPCR) superfamily contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins. The organization of the GPR17 gene differs from that of many other GPCRs in that the 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. Synonyms: G-protein coupled receptor 17, P2Y-like receptor, R12, UDP/CysLT receptor, Uracil nucleotide/cysteinyl leukotriene receptor
Gene ID:	2840
NCBI Accession:	NP_001154887

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

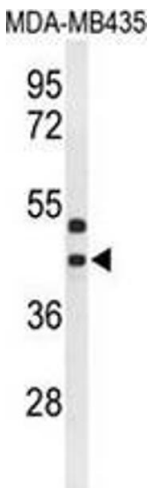


Flow Cytometry

Image 1. Flow cytometric analysis of MDA-MB435 cells (bottom histogram) compared to a negative control cell (top histogram) using GPR17 Antibody . FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis in brain tissue (formalin-fixed, paraffin-embedded) using GPR17 Antibody , followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GPR17 antibody for IHC. Clinical relevance has not been evaluated.



Western Blotting

Image 3. Western blot analysis of GPR17 (arrow) in MDA-MB435 cell line lysates (35ug/lane) using GPR17