

Datasheet for ABIN615056

anti-Prostaglandin D2 Receptor 2 (PTGDR2) (N-Term) antibody[Go to Product page](#)

4 Images

Overview

Quantity:	50 µg
Target:	Prostaglandin D2 Receptor 2 (PTGDR2)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	GPR44 antibody was raised against synthetic peptide Genename: GPR44
Specificity:	This antibody reacts to G Protein-Coupled Receptor GPR44 (CRTH2).
Purification:	Immunoaffinity Chromatography

Target Details

Target:	Prostaglandin D2 Receptor 2 (PTGDR2)
Alternative Name:	CD294 / GPR44 (PTGDR2 Products)
Background:	GPR44, also called CRTH2, is a Prostanoid Receptor that binds prostaglandin D2. PGD2 signals through CRTH2 to induce Th2, eosinophil, and basophil chemotaxis in a G-alpha(i) dependent manner. CRTH2 may play a role in mast cell-mediated immune responses such as those

Target Details

involved in allergic reactions. This receptor is upregulated in activated T helper-2 (Th2) cells, peripheral blood basophils, and eosinophils, but not in Th1 lineage cells. It may be a useful marker for Th2 and Tc2 cells. Synonyms: CRTH2, Chemoattractant receptor-homologous molecule expressed on Th2 cells, DL1R, Putative G-protein coupled receptor 44

Gene ID: 11251

NCBI Accession: [NP_004769](#)

UniProt: [Q9Y5Y4](#)

Pathways: [Regulation of G-Protein Coupled Receptor Protein Signaling](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 1,0 mg/mL

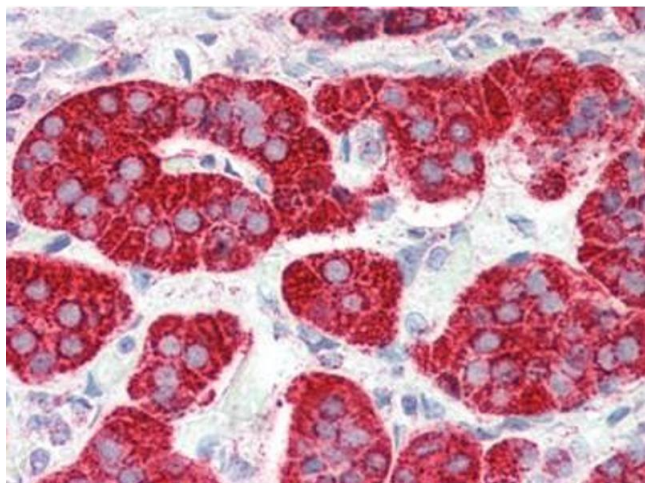
Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

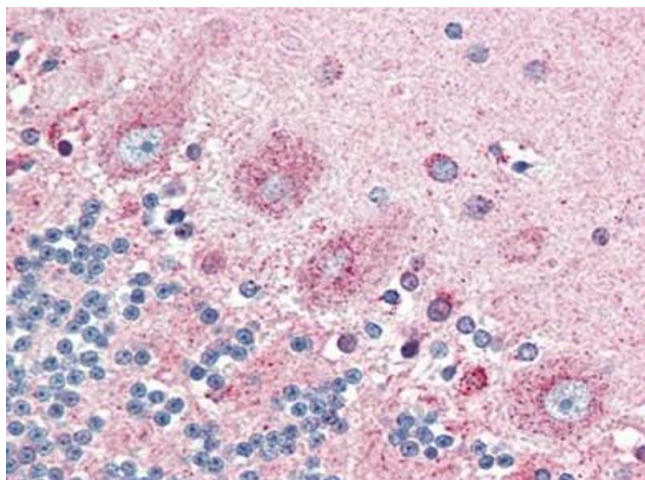
Storage: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C.



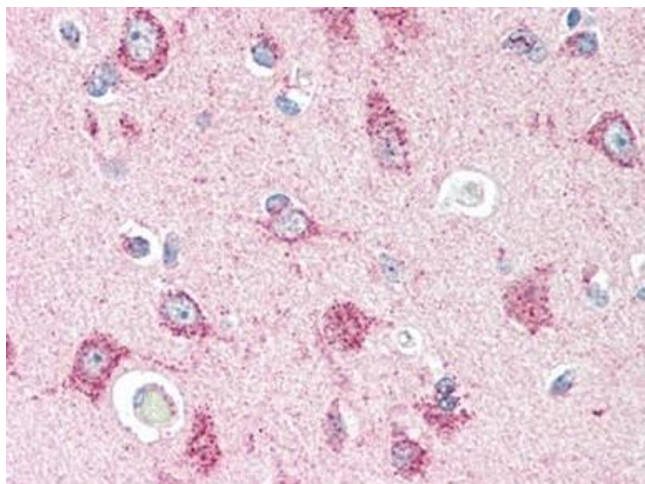
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Adrenal (formalin-fixed, paraffin-embedded) stained with GPR44at 5 µg/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Human Brain, Cerebellum (formalin-fixed, paraffin-embedded) stained with GPR44at 5 µg/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Human Brain, Cortex (formalin-fixed, paraffin-embedded) stained with GPR44at 5 µg/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN615056.