

Product datasheet for **AP22663PU-N**

GPR44 (PTGDR2) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	GPR44 antibody was raised against a 18 aa synthetic peptide near the amino terminus of human GPR44.
Specificity:	This antibody reacts to G Protein-Coupled Receptor GPR44 (CRTH2).
Formulation:	PBS containing 0.02% sodium azide. State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store 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:	prostaglandin D2 receptor 2
Database Link:	Entrez Gene 11251 Human Q9Y5Y4



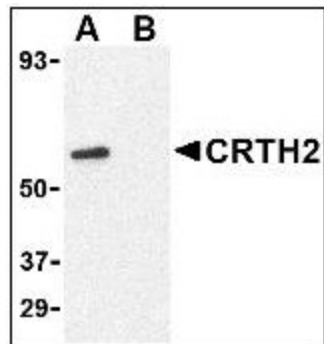
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Background:

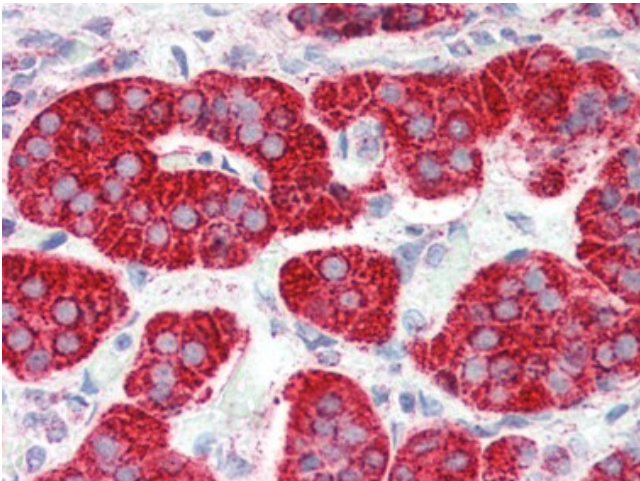
GPR44, also called CRTH2, is a Prostanoid Receptor that binds prostaglandin D2. PGD2 signals through CRTH2 to induce Th2, eosinophil, and basophil chemotaxis in a G-alpha(i) dependent manner. CRTH2 may play a role in mast cell-mediated immune responses such as those involved in allergic reactions. This 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:

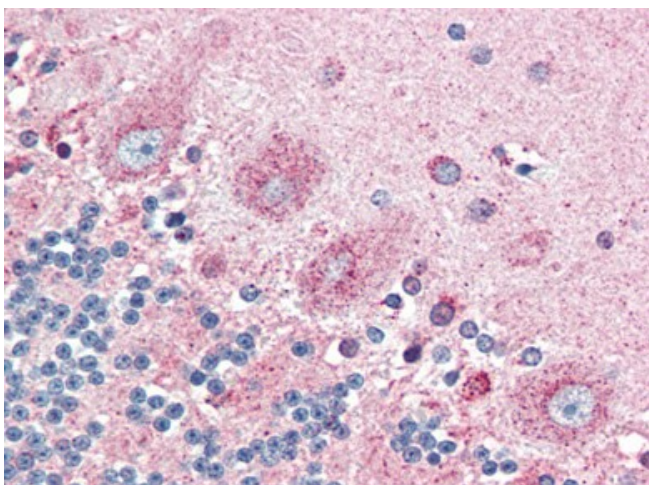
CRTH2, DL1R, PTGDR2, Prostaglandin D2 receptor 2

Product images:

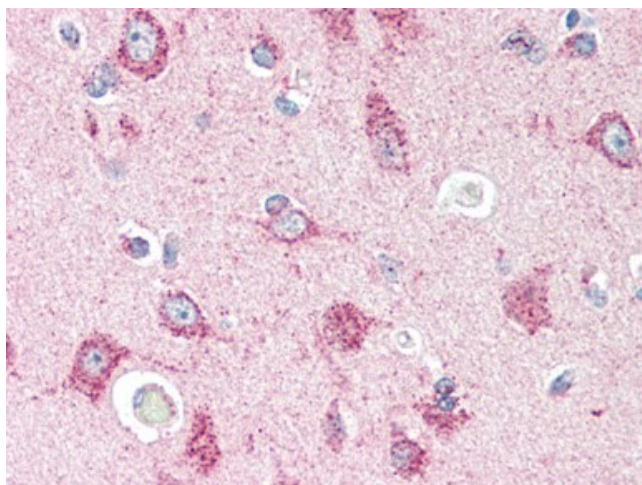
Western blot analysis of CRTH2 in Jurkat cell lysate with at 1 ug/ml in (A) the absence and (B) presence of blocking peptide.



Human Adrenal (formalin-fixed, paraffin-embedded) stained with GPR44 antibody at 5 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Human Brain, Cerebellum (formalin-fixed, paraffin-embedded) stained with GPR44 antibody at 5 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Human Brain, Cortex (formalin-fixed, paraffin-embedded) stained with GPR44 antibody at 5 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.