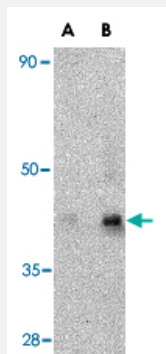


GPR44 polyclonal antibody

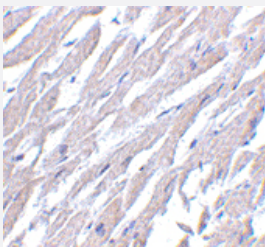
Catalog # PAB13244 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of GPR44 in human heart tissue lysate with GPR44 polyclonal antibody (Cat # PAB13244) at (A) 1 and (B) 2 ug/mL .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of GPR44 in human heart tissue with GPR44 polyclonal antibody (Cat # PAB13244) at 2.5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of GPR44.
Immunogen	A synthetic peptide corresponding to internal region 15 amino acids of human GPR44.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of GPR44 in human heart tissue lysate with GPR44 polyclonal antibody (Cat # PAB13244) at (A) 1 and (B) 2 ug/mL .

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of GPR44 in human heart tissue with GPR44 polyclonal antibody (Cat # PAB13244) at 2.5 ug/mL .

Gene Info — GPR44

Entrez GeneID	11251
Protein Accession#	NP_004769
Gene Name	GPR44
Gene Alias	CD294, CRTH2, DP2
Gene Description	G protein-coupled receptor 44
Omim ID	604837
Gene Ontology	Hyperlink
Gene Summary	G protein-coupled receptors (GPCRs), such as GPR44, are integral membrane proteins containing 7 putative transmembrane domains (TMs). These proteins mediate signals to the interior of the cell via activation of heterotrimeric G proteins that in turn activate various effector proteins, ultimately resulting in a physiologic response.[supplied by OMIM]
Other Designations	chemoattractant receptor homologous molecule expressed on T helper type 2 cells chemoattractant receptor-homologous molecule expressed on TH2 cells

Publication Reference

- [Cutting edge: chemoattractant receptor-homologous molecule expressed on Th2 cells plays a restricting role on IL-5 production and eosinophil recruitment.](#)

Chevalier E, Stock J, Fisher T, Dupont M, Fric M, Fargeau H, Leport M, Soler S, Fabien S, Pruniaux MP, Fink M, Bertrand CP, McNeish J, Li B.

Journal of Immunology 2005 Aug; 175(4):2056.

- [Chemoattractant receptor-homologous molecule expressed on Th2 cells activation in vivo increases blood leukocyte counts and its blockade abrogates 13,14-dihydro-15-keto-prostaglandin D2-induced eosinophilia in rats.](#)

Shichijo M, Sugimoto H, Nagao K, Inbe H, Encinas JA, Takeshita K, Bacon KB, Gantner F.

The Journal of Pharmacology and Experimental Therapeutics 2003 Nov; 307(2):518.

- [CRT2, an orphan receptor of T-helper-2-cells, is expressed on basophils and eosinophils and responds to mast cell-derived factor\(s\).](#)

Nagata K, Hirai H, Tanaka K, Ogawa K, Aso T, Sugamura K, Nakamura M, Takano S.

FEBS Letters 1999 Oct; 459(2):195.

Application: Flow Cyt, Human, K562/neo, K562/B19 cells

Disease

- [Asthma](#)
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