

Datasheet for ABIN615787

**anti-Prostaglandin D2 Receptor 2 (PTGDR2) (AA 329-348)  
antibody**[Go to Product page](#)**2** Images

## Overview

Quantity:	50 µg
Target:	Prostaglandin D2 Receptor 2 (PTGDR2)
Binding Specificity:	AA 329-348
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- KLH conjugated Genename: GPR44
Sequence:	329-348 [DDSELGGAGS SRRRRTSSTA ]
Isotype:	IgG
Specificity:	This antibody reacts to G Protein-Coupled Receptor GPR44 (CRTH2) near the C-terminus.
Purification:	Immunoaffinity Chromatography

## Target Details

Target:	Prostaglandin D2 Receptor 2 (PTGDR2)
Alternative Name:	CD294 / GPR44 ( <a href="#">PTGDR2 Products</a> )

## Target Details

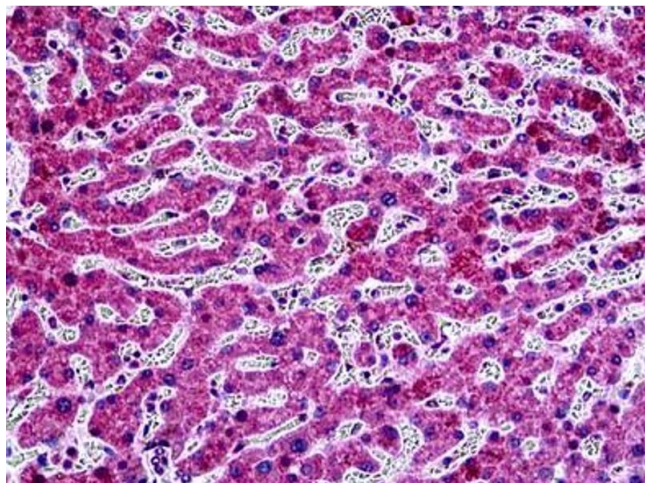
Background:	GPR44, also called CRTH2, is a Prostanoid Receptor that binds prostaglandin D2. PGD2 signals through CRTH2 to induce Th2, eosinophil, and basophil chemotaxis in a G-alpha(i) dependent manner. CRTH2 may play a role in mast cell-mediated immune responses such as those involved in allergic reactions. 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, Chemoattractant receptor-homologous molecule expressed on Th2 cells, DL1R, Putative G-protein coupled receptor 44
Gene ID:	11251
NCBI Accession:	<a href="#">NP_004769</a>
UniProt:	<a href="#">Q9Y5Y4</a>
Pathways:	<a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a>

## Application Details

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

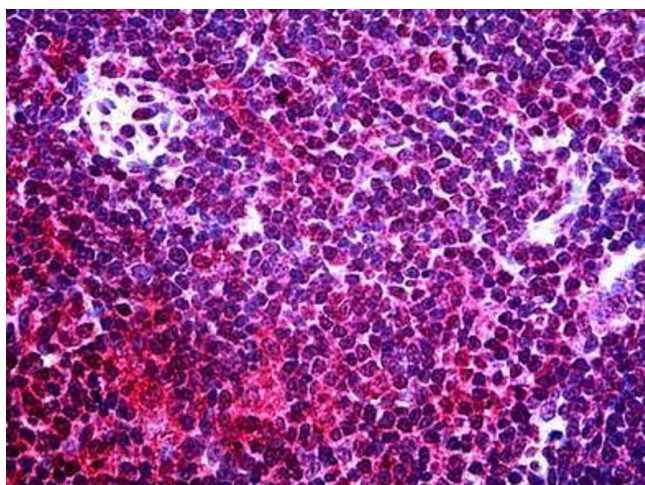
## Handling

Concentration:	1,0 mg/mL
Buffer:	PBS containing 0.02 % sodium azide as preservative
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.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Human Liver: Formalin-Fixed, Paraffin-Embedded (FFPE)



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Human Thymus: Formalin-Fixed, Paraffin-Embedded (FFPE)