

# Product Datasheet

## CRTH-2/GPR44 Antibody - BSA Free NBP1-76755

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-76755**

CRTH-2/GPR44 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Peptide affinity purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	43 kDa

**Product Description**

<b>Host</b>	Rabbit
<b>Gene ID</b>	11251
<b>Gene Symbol</b>	PTGDR2
<b>Species</b>	Human, Mouse, Rat, Guinea Pig
<b>Reactivity Notes</b>	Guinea Pig reactivity reported in scientific literature (PMID: 25917171).
<b>Specificity/Sensitivity</b>	At least two different isoforms of CRTH2 are known to exist; this antibody will detect both isoforms.
<b>Immunogen</b>	Antibody was raised against a 18 amino acid synthetic peptide from near the amino terminus of human CRTH2. The immunogen is located within the first 50 amino acids of CRTH2. Amino Acid Sequence: EQMSRLQSHSNTSIRYID

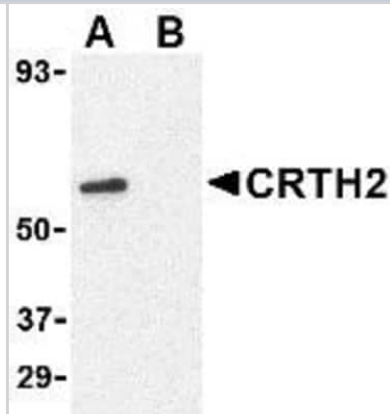
**Product Application Details**

<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1 ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 2.5 ug/ml, Immunocytochemistry/ Immunofluorescence 20 ug/mL, Immunohistochemistry-Paraffin 2.5 ug/ml
<b>Application Notes</b>	Use in ICC/IF reported in scientific literature (PMID: 25917171).

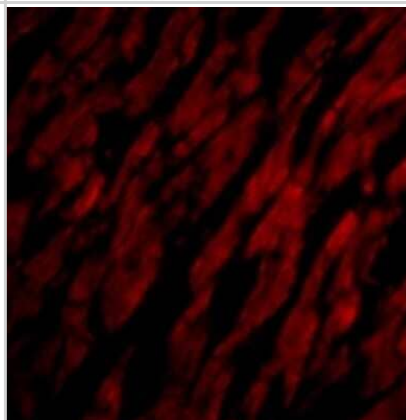


## Images

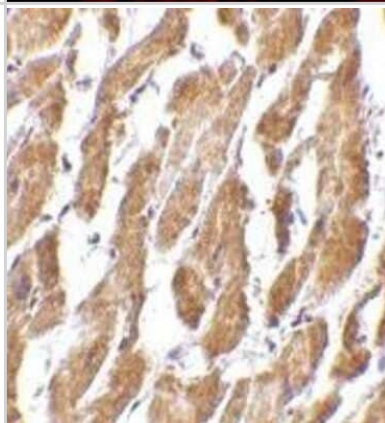
Western Blot: CRTH-2/GPR44 Antibody [NBP1-76755] - Jurkat cell lysate with GPR44 antibody at 1 ug/ml in (A) the absence and (B) presence of blocking peptide.



Immunocytochemistry/Immunofluorescence: CRTH-2/GPR44 Antibody [NBP1-76755] - Human Heart tissue with CRTH2 antibody at 20 ug/mL.



Immunohistochemistry-Paraffin: CRTH-2/GPR44 Antibody [NBP1-76755] - Human heart tissue with GPR44 antibody at 2.5 ug/ml.



## Publications

Dash P, Ghatak S, Topi G Et al. High PGD2 receptor 2 levels are associated with poor prognosis in colorectal cancer patients and induce VEGF expression in colon cancer cells and migration in a zebrafish xenograft model British journal of cancer 2021-11-08 [PMID: 34750492] (WB, IHC-P, MiAr, Human)

Guan NN, Svennersten K, de Verdier PJ et al. Prostaglandin D2 effects and DP1 /DP2 receptor distribution in guinea pig urinary bladder out-flow region. J. Cell. Mol. Med. 2016-09-23 [PMID: 27664012] (ICC/IF, WB, Guinea Pig)

Guan NN, Svennersten K, de Verdier PJ et al. Receptors involved in prostaglandin D2 modulation of guinea pig urinary bladder motility Br. J. Pharmacol. 2015-04-27 [PMID: 25917171] (ICC/IF, Guinea Pig)

Zhang S, Grabauskas G, Wu X et al. Role of prostaglandin D2 in mast cell activation-induced sensitization of esophageal vagal afferents. Am J Physiol Gastrointest Liver Physiol 2013-05-15 [PMID: 23471341]



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### **Products Related to NBP1-76755**

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NBP1-76755PEP	CRTH-2/GPR44 Antibody Blocking Peptide
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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