BT LAB
Bioassay Technology Laboratory
Optimize Your Research

EP3 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP02981
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human PE2R3. AA range:1-50
Mol wt	43310
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	EP3 Antibody
Synonyms	PTGER3; Prostaglandin E2 receptor EP3 subtype; PGE receptor EP3 subtype; PGE2 receptor EP3 subtype; PGE2-R; Prostanoid EP3 receptor

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by PTGER3 (prostaglandin E receptor 3) is a member of the G-protein coupled receptor family. This protein is one of four receptors identified for prostaglandin E2 (PGE2). This receptor may have many biological functions, which involve digestion, nervous system, kidney reabsorption, and uterine contraction activities. Studies of the mouse counterpart suggest that this receptor may also mediate adrenocorticotropic hormone response as well as fever generation in response to exogenous and endogenous stimuli. Multiple transcript variants encoding different isoforms have been found for PTGER3.

Recommended Dilution

WB: 1: 500 - 1: 2000

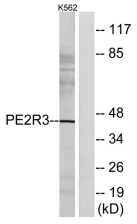
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

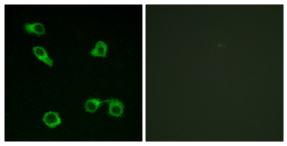
ELISA: 1: 20000

Not yet tested in other applications.

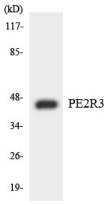
Images



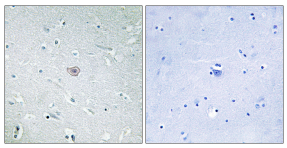
Western blot analysis of lysates from K562 cells, using PE2R3 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunofluorescence analysis of COS7 cells, using PE2R3 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from Jurkat cells using PE2R3 antibody.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using PE2R3 Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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