

EP4 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP02983
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human PE2R4. AA range:321-370
Mol wt	53119
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IF, ELISA
Concentration	1 mg/ml
Full name	EP4 Antibody
Synonyms	PTGER4; PTGER2; Prostaglandin E2 receptor EP4 subtype; PGE receptor EP4 subtype; PGE2 receptor EP4 subtype; Prostanoid EP4 receptor

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

Background

Prostaglandin E receptor 4 encoded by PTGER4 is a member of the G-protein coupled receptor family. This protein is one of four receptors identified for prostaglandin E2 (PGE2). This receptor can activate T-cell factor signaling. It has been shown to mediate PGE2 induced expression of early growth response 1 (EGR1), regulate the level and stability of cyclooxygenase-2 mRNA, and lead to the phosphorylation of glycogen synthase kinase-3. Knockout studies in mice suggest that this receptor may be involved in the neonatal adaptation of circulatory system, osteoporosis, as well as initiation of skin immune responses.

Recommended Dilution

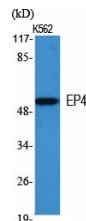
WB: 1: 500 - 1: 2000

IF: 1: 200 - 1: 1000

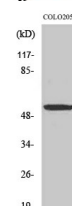
ELISA: 1: 20000

Not yet tested in other applications.

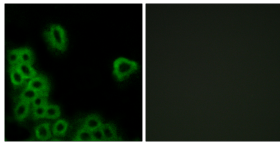
Images



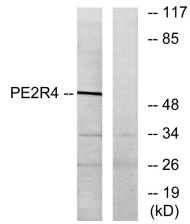
Western Blot analysis of various cells using EP4 Polyclonal Antibody



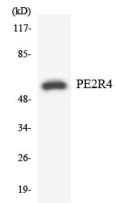
Western Blot analysis of COLO205 cells using EP4 Polyclonal Antibody



Immunofluorescence analysis of MCF7 cells, using PE2R4 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO205 cells, using PE2R4 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using PE2R4 antibody.

Storage

-20°C for one year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com