

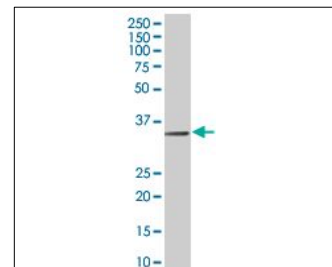
KB496

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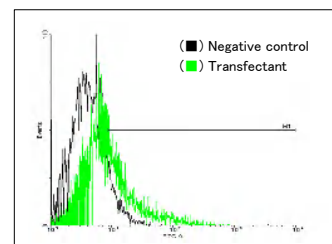
Anti Human PTGER3 Polyclonal Antibody

Code No. KB496
Target PTGER3
Category GPCR
Gene ID 5733
Primary Source HGNC:9595
Synonyms EP3; EP3e; EP3-I; EP3-II; EP3-IV; EP3-III; MGC27302; MGC141828; MGC141829; PTGER3
Type Polyclonal Antibody
Immunogen Recombinant protein of full length Human PTGER3

Raised in Mouse
Myeloma -
Clone number -
Purification Protein A purified
Source Mouse Serum
Isotype -
Cross Reactivity -
Label Unlabeled
Concentration 0.5 mg/mL
Contents (Volume) 50 µg
Buffer PBS, pH 7.2



[WB] PTGER3 transfected 293T cell lysate



[FCM] PTGER3 expressing 293 cells

Storage Store at - 20 °C long term, store at 4 °C short term. Avoid repeated freeze-thaw cycles.

Application WB,FCM

ELISA	WB	IHC	ICC
-	1.0	-	-
IP	FCM	IF	Neutralization
-	1.0	-	-

(µg/mL)

Reference

- Adam M., et al. "Cloning and expression of three isoforms of the human EP3 prostanoid receptor." FEBS Lett. 338:170-174(1994)
- Schmid A., et al. "Splice variants of the human EP3 receptor for prostaglandin E2." Eur. J. Biochem. 228:23-30(1995)
- Yang J., et al. "Cloning and expression of the EP3-subtype of human receptors for prostaglandin E2." Biochem. Biophys. Res. Commun. 198:999-1006(1994)

UniPlot Summary

//Function: Receptor for prostaglandin E2 (PGE2); the EP3 receptor may be involved in inhibition of gastric acid secretion, modulation of neurotransmitter release in central and peripheral neurons, inhibition of sodium and water reabsorption in kidney tubulus and contraction in uterine smooth muscle. The activity of this receptor can couple to both the inhibition of adenylate cyclase mediated by G-I proteins, and to an elevation of intracellular calcium. The various isoforms have identical ligand binding properties but can interact with different second messenger systems.

//Subcellular location: Cell membrane; Multi-pass membrane protein.

//Tissue specificity: Expressed in small intestine, heart, pancreas, gastric fundic mucosa, mammary artery and pulmonary vessels.

//Sequence similarities: Belongs to the G-protein coupled receptor 1 family.