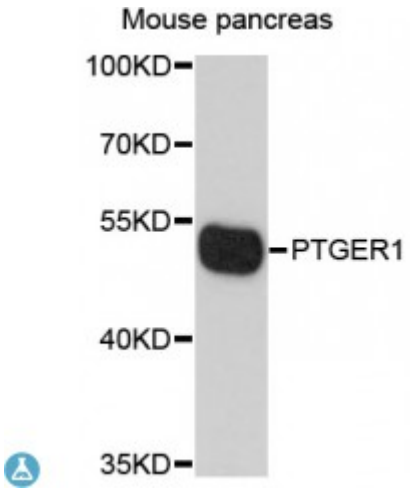
Anti-PTGER1 Antibody



Description	The protein encoded by this gene is a member of the G protein-coupled receptor family. This protein is one of four receptors identified for prostaglandin E2 (PGE2). Through a phosphatidylinositol-calcium second messenger system, G-Q proteins mediate this receptor's activity. Knockout studies in mice suggested a role of this receptor in mediating algesia and in regulation of blood pressure. Studies in mice also suggested that this gene may mediate adrenocorticotropic hormone response to bacterial endotoxin.

Model	STJ114196
Host	Rabbit
Reactivity	Mouse, Rat
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 300-400 of human PTGER1 (NP_000946.2).
Gene ID	5731
Gene Symbol	PTGER1
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Abundant in kidney, Lower level expression in lung, skeletal muscle and spleen, lowest expression in testis and not detected in liver brain and heart
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Prostaglandin E2 receptor EP1 subtype PGE receptor EP1 subtype PGE2 receptor EP1 subtype Prostanoid EP1 receptor

Molecular Weight	41.801 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:9593OMIM:176802Reactome:R-HSA-391908
Alternative Names	Prostaglandin E2 receptor EP1 subtype PGE receptor EP1 subtype PGE2 receptor EP1 subtype Prostanoid EP1 receptor
Function	Receptor for prostaglandin E2 (PGE2), The activity of this receptor is mediated by G(q) proteins which activate a phosphatidylinositol-calcium second messenger system, May play a role as an important modulator of renal function, Implicated the smooth muscle contractile response to PGE2 in various tissues
Cellular Localization	Cell membrane
Post-translational Modifications	Phosphorylated,