
Product Name: EP2 Rabbit Polyclonal Antibody**Catalog #: APRab10493**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	40kDa

Antigen Information

Gene Name	PTGER2
Alternative Names	PTGER2; Prostaglandin E2 receptor EP2 subtype; PGE receptor EP2 subtype; PGE2 receptor EP2 subtype; Prostanoid EP2 receptor
Gene ID	5732.0
SwissProt ID	P43116
Immunogen	The antiserum was produced against synthesized peptide derived from human PE2R2. AA range:261-310

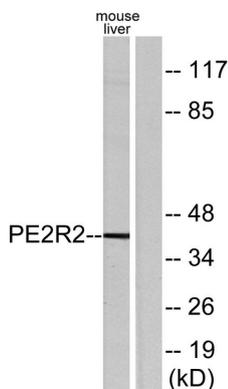
Background

This gene encodes a receptor for prostaglandin E2, a metabolite of arachidonic acid which has different biologic activities in a wide range of tissues. Mutations in this gene are associated with aspirin-induced susceptibility to asthma. [provided by RefSeq, Oct 2009],function:Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(s) proteins that stimulate adenylate cyclase. The subsequent raise in intracellular cAMP is responsible for the relaxing effect of this receptor on smooth muscle.,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Placenta and lung.,

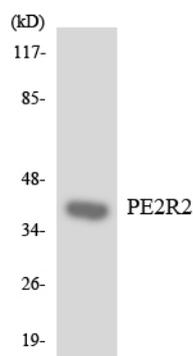
Research Area

Neuroactive ligand-receptor interaction;

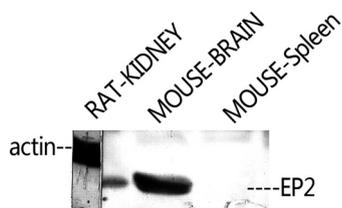
Image Data



Western blot analysis of lysates from mouse liver, using PE2R2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from 293 cells using PE2R2 antibody.



Western Blot analysis of RAT-KIDNEY MOUSE-BRAIN MOUSE-HEART using EP2 Polyclonal Antibody. Antibody was diluted at 1:2000