

## EP2 Polyclonal Antibody

<b>Catalog No :</b>	YT1566
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IF;ELISA
<b>Target :</b>	EP2
<b>Fields :</b>	>>cAMP signaling pathway;>>Neuroactive ligand-receptor interaction;>>Inflammatory mediator regulation of TRP channels;>>Renin secretion;>>Human cytomegalovirus infection;>>Pathways in cancer
<b>Gene Name :</b>	PTGER2
<b>Protein Name :</b>	Prostaglandin E2 receptor EP2 subtype
<b>Human Gene Id :</b>	5732
<b>Human Swiss Prot No :</b>	P43116
<b>Mouse Gene Id :</b>	19217
<b>Mouse Swiss Prot No :</b>	Q62053
<b>Rat Gene Id :</b>	81752
<b>Rat Swiss Prot No :</b>	Q62928
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human PE2R2. AA range:261-310
<b>Specificity :</b>	EP2 Polyclonal Antibody detects endogenous levels of EP2 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other

applications.

**Purification :** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 40kD

**Cell Pathway :** Neuroactive ligand-receptor interaction;

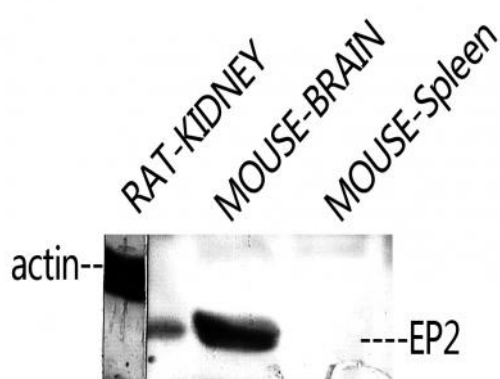
**Background :** This gene encodes a receptor for prostaglandin E2, a metabolite of arachidonic acid which has different biologic activities in a wide range of tissues. Mutations in this gene are associated with aspirin-induced susceptibility to asthma. [provided by RefSeq, Oct 2009],

**Function :** 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.,

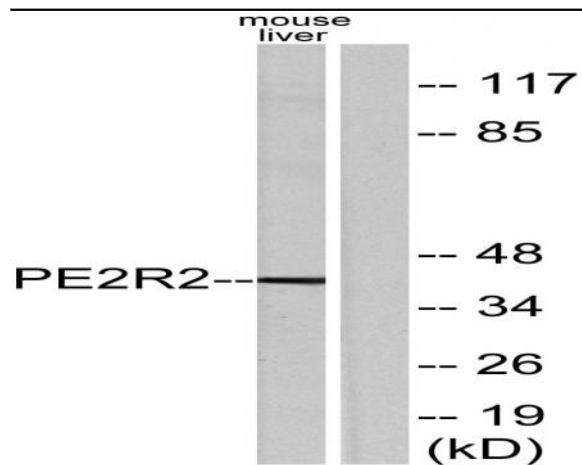
**Subcellular Location :** Cell membrane; Multi-pass membrane protein.

**Expression :** Placenta and lung.

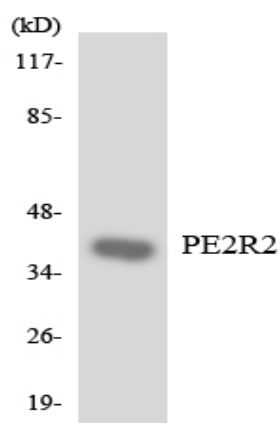
## Products Images



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



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.