



# EP2 Polyclonal Antibody

<b>Catalog No</b>	BYab-13214
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;IF;ELISA
<b>Gene Name</b>	PTGER2
<b>Protein Name</b>	Prostaglandin E2 receptor EP2 subtype
<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>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	PTGER2; Prostaglandin E2 receptor EP2 subtype; PGE receptor EP2 subtype; PGE2 receptor EP2 subtype; Prostanoid EP2 receptor
<b>Observed Band</b>	40kD
<b>Cell Pathway</b>	Cell membrane; Multi-pass membrane protein.
<b>Tissue Specificity</b>	Placenta and lung.
<b>Function</b>	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.,
<b>Background</b>	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],

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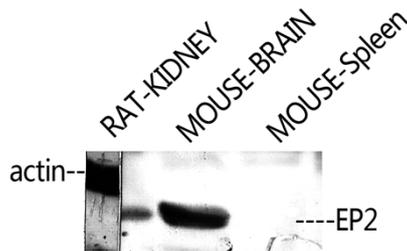
**matters needing attention**

Avoid repeated freezing and thawing!

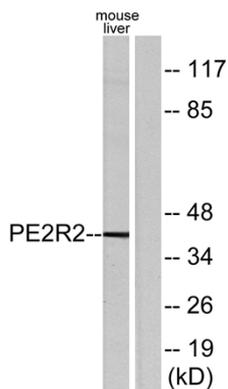
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

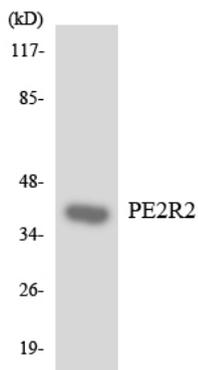
**Products Images**



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.