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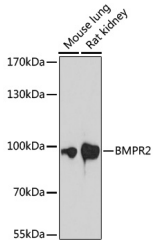
BMPR2 Polyclonal Antibody

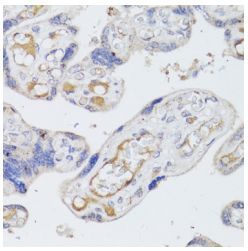
Catalog No.	E-AB-66937	**Reactivity**	H,M,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	WB,IHC	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

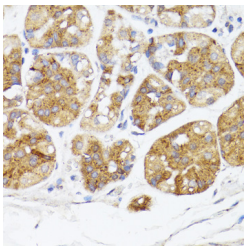
Images



Western blot analysis of extracts of various cell lines using BMPR2 Polyclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Human placenta using BMPR2 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Human stomach using BMPR2 Polyclonal Antibody at dilution of 1:100 (40x lens).

Immunogen Information

Immunogen	Recombinant fusion protein of human BMPR2 (NP_001195.2).
GeneID	659
Swissprot	Q13873
Synonyms	BMPR2,BMPR-II,BMPR3,BMR2,BRK-3,POVD1,PPH1,T-ALK

Product Information

Calculated MW	59kDa/115kDa
Observed MW	100kDa
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purify	Affinity purification
Dilution	WB 1:500-1:2000 IHC 1:50-1:200

Background

This gene encodes a member of the bone morphogenetic protein (BMP) receptor family of transmembrane serine/threonine kinases. The ligands of this receptor are BMPs, which are members of the TGF-beta superfamily. BMPs are involved in endochondral bone formation and embryogenesis. These proteins transduce their signals through the formation of heteromeric complexes of two different types of serine (threonine) kinase receptors: type I receptors of about 50-55 kD and type II receptors of about 70-80 kD. Type II receptors bind ligands in the absence of type I receptors, but they require their respective type I receptors for signaling, whereas type I receptors require their respective type II receptors for ligand binding. Mutations in this gene have been associated with primary pulmonary hypertension, both familial and fenfluramine-associated, and with pulmonary venoocclusive disease.