

# BMPR2 Polyclonal antibody

Catalog Number: 14376-1-AP

9 Publications

## Basic Information

## Catalog Number:

14376-1-AP

## Size:

150ul, Concentration: 550 µg/ml by Nanodrop and 280 µg/ml by Bradford method using BSA as the standard;

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG5752

## GenBank Accession Number:

BC052985

## GeneID (NCBI):

659

## Full Name:

bone morphogenetic protein receptor, type II (serine/threonine kinase)

## Calculated MW:

115 kDa

## Observed MW:

120 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 µg for IP and 1:500-1:1000

## Applications

## Tested Applications:

IP, WB, ELISA

## Cited Applications:

IF, WB

## Species Specificity:

human, mouse, rat

## Cited Species:

human, rat, mouse

## Positive Controls:

WB: mouse brain tissue,

IP: mouse brain tissue,

## Background Information

BMPs (bone morphogenetic protein) are involved in endochondral bone formation and embryogenesis. BMPR2 encodes a member of the (BMP) receptor family of transmembrane serine/threonine kinases. It is a widely expressed receptor, with high mRNA expression during development in many tissues. Dimer of BMPR2 receptors (70-80 kD) forms a complex with a dimer of type I BMPR1(50-55 kD) in signal transduction. This antibody recognizes endogenous levels of total BMPR2 protein, including 115 kD precursor, 75 kD mature form and 150 kD dimer.

## Notable Publications

Author	Pubmed ID	Journal	Application
Guorong Deng	32911032	Exp Gerontol	WB
Jidong Chen	27716141	BMC Genomics	WB
Lijun Li	34658848	Front Pharmacol	WB

## Storage

## Storage:

Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

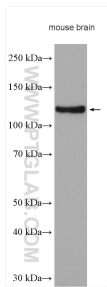
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

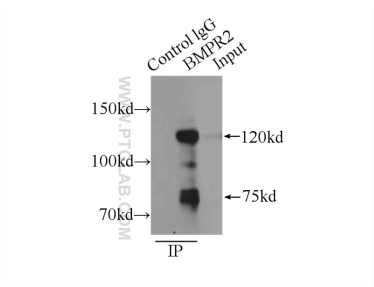
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## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 14376-1-AP (BMPR2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP Result of anti-BMPR2 (IP:14376-1-AP, 4ug; Detection:14376-1-AP 1:500) with mouse brain tissue lysate 6500ug.