

BMPR2 Monoclonal antibody

Catalog Number: 68497-1-Ig

Basic Information

Catalog Number:

68497-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG5868

GenBank Accession Number:

BC052985

GeneID (NCBI):

659

UNIPROT ID:

Q13873

Full Name:

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

Calculated MW:

115 kDa

Observed MW:

120-140 kDa

Purification Method:

Protein G purification

CloneNo.:

2C1D7

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse

Positive Controls:

WB : A431 cells, NIH/3T3 cells, HeLa cells

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.

Storage

Storage:

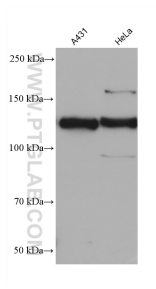
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

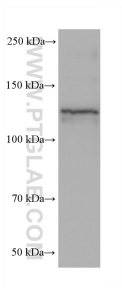
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68497-1-Ig (BMPR2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 68497-1-Ig (BMPR2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.