

Datasheet for ABIN705686  
**anti-BMPR2 antibody (AA 921-1038)**



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## Overview

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|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                                                                                                                                 |
| Target:              | BMPR2                                                                                                                                                                                                                                                  |
| Binding Specificity: | AA 921-1038                                                                                                                                                                                                                                            |
| Reactivity:          | Human, Mouse                                                                                                                                                                                                                                           |
| Host:                | Rabbit                                                                                                                                                                                                                                                 |
| Clonality:           | Polyclonal                                                                                                                                                                                                                                             |
| Conjugate:           | This BMPR2 antibody is un-conjugated                                                                                                                                                                                                                   |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human BMPR2 |
| Isotype:              | IgG                                                       |
| Cross-Reactivity:     | Human, Mouse                                              |
| Predicted Reactivity: | Rat,Cow,Pig,Horse,Chicken,Rabbit                          |
| Purification:         | Purified by Protein A.                                    |

## Target Details

|         |       |
|---------|-------|
| Target: | BMPR2 |
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## Target Details

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| Alternative Name: | BMPR2 ( <a href="#">BMPR2 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Background:       | <p>Synonyms: BMR2, PPH1, BMPR3, BRK-3, POVD1, T-ALK, BMPR-II, Bone morphogenetic protein receptor type-2, BMP type-2 receptor, BMPR-2, Bone morphogenetic protein receptor type II, BMP type II receptor, BMPR2</p> <p>Background: On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators.</p> <p>Binds to BMP-7, BMP-2 and, less efficiently, BMP-4. Binding is weak but enhanced by the presence of type I receptors for BMPs.</p> |
| Gene ID:          | 659                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| UniProt:          | <a href="#">Q13873</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Pathways:         | <a href="#">Growth Factor Binding</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## Application Details

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|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | WB 1:300-5000<br>ELISA 1:500-1000<br>IHC-P 1:200-400<br>IHC-F 1:100-500<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only                                                                                                                   |

## Handling

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|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.                                              |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | 4 °C, -20 °C                                                                                                       |

## Handling

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Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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Expiry Date: 12 months