

# Product Datasheet

## beta-2 Adrenergic R/ADRB2 Antibody (JM102-06) NBP2-67187

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-67187**

beta-2 Adrenergic R/ADRB2 Antibody (JM102-06)

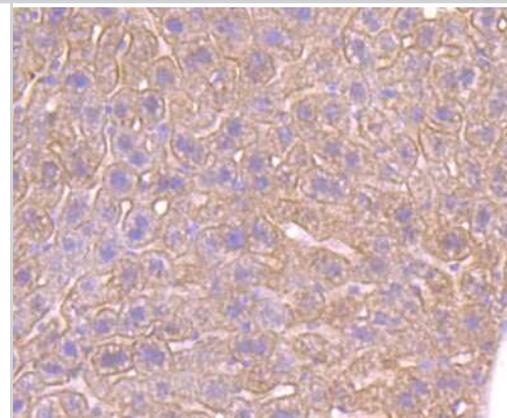
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JM102-06
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol
Target Molecular Weight	46 kDa

Product Description	
Host	Rabbit
Gene ID	154
Gene Symbol	ADRB2
Species	Human, Mouse, Rat, Zebrafish
Immunogen	Synthetic peptide within Human beta-2 Adrenergic R/ADRB2 aa 369-400 / 413. (SwissProt: P07550 Human; SwissProt: P18762 Mouse; SwissProt: P10608 Rat)

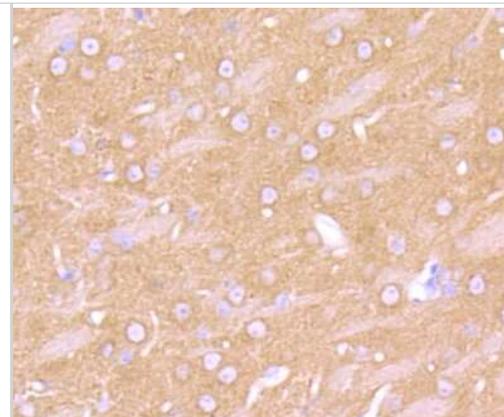
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:5000, Immunohistochemistry 1:20-1:1,000, Immunocytochemistry/ Immunofluorescence IF-Cell-1:100, Immunoprecipitation Use at an assay dependent concentration, Immunohistochemistry-Paraffin 1:20-1:1,000

**Images**

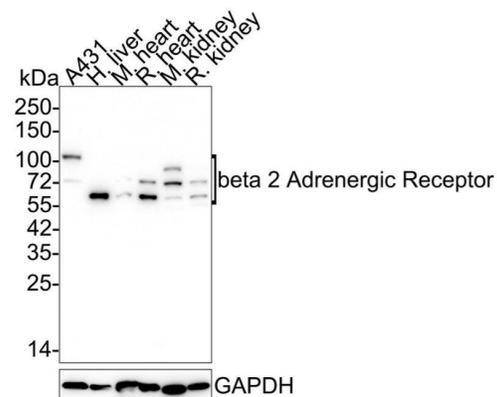
Immunohistochemistry-Paraffin: beta-2 Adrenergic R/ADRB2 Antibody (JM102-06) [NBP2-67187] - Analysis of paraffin-embedded mouse liver tissue using anti-ADRB2 antibody. Counter stained with hematoxylin.



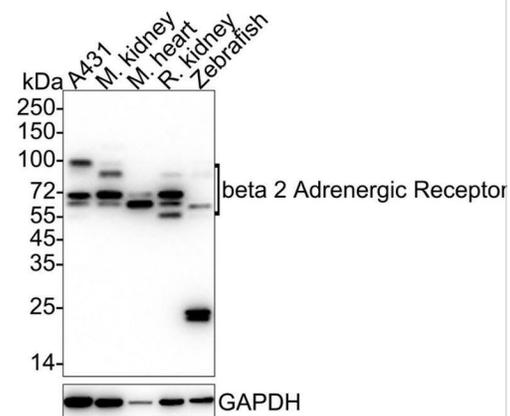
**Immunohistochemistry-Paraffin: beta-2 Adrenergic R/ADRB2 Antibody (JM102-06) [NBP2-67187]** - Analysis of paraffin-embedded mouse brain tissue using anti-ADRB2 antibody. Counter stained with hematoxylin.



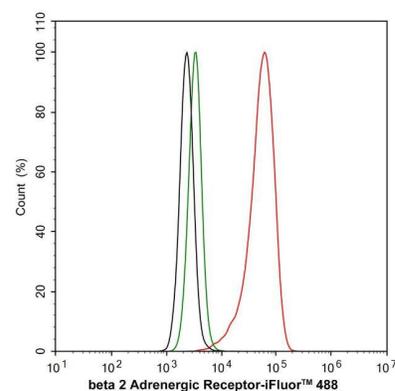
**Western Blot: beta-2 Adrenergic R/ADRB2 Antibody (JM102-06) [NBP2-67187]** - Analysis of beta 2 Adrenergic Receptor on different lysates with Rabbit anti-beta 2 Adrenergic Receptor antibody at 1/5,000 dilution. Lane 1: A431 cell lysate (15 µg/Lane) Lane 2: Human liver tissue lysate (20 µg/Lane) Lane 3: Mouse heart tissue lysate (20 µg/Lane) Lane 4: Rat heart tissue lysate (20 µg/Lane) Lane 5: Mouse kidney tissue lysate (20 µg/Lane) Lane 6: Rat kidney tissue lysate (20 µg/Lane) Predicted band size: 46 kDa Observed band size: 55-100 kDa Exposure time: 3 minutes; ECL: K1801; 4-20% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody at 1/5,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.



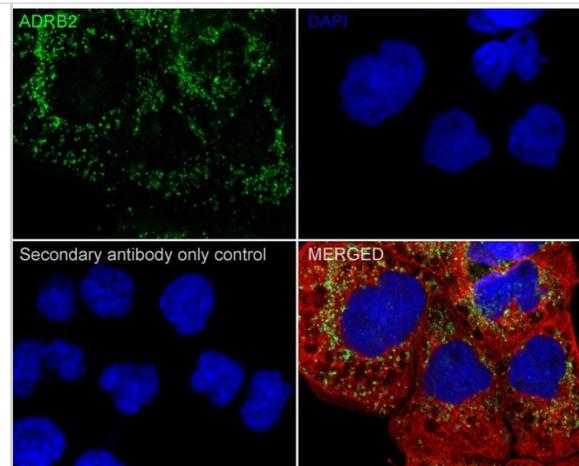
**Western Blot: beta-2 Adrenergic R/ADRB2 Antibody (JM102-06) [NBP2-67187]** -Analysis of beta 2 Adrenergic Receptor on different lysates with Rabbit anti-beta 2 Adrenergic Receptor antibody at 1/1,000 dilution. Lane 1: A431 cell lysate (no heat) (15 µg/Lane) Lane 2: Mouse kidney tissue lysate (no heat) (20 µg/Lane) Lane 3: Mouse heart tissue lysate (no heat) (20 µg/Lane) Lane 4: Rat kidney tissue lysate (no heat) (20 µg/Lane) Lane 5: Zebrafish tissue lysate (20 µg/Lane) Predicted band size: 46 kDa Observed band size: 55-100 kDa Exposure time: 3 minutes; ECL: K1801; 4-20% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (ET1703-04) at 1/1,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.



**Flow Cytometry-beta-2 Adrenergic R/ADRB2 Antibody (JM102-06) [NBP2-67187]** -Analysis of A431 cells labeling beta 2 Adrenergic Receptor. Cells were fixed and permeabilized. Then stained with the primary antibody (1/1,000) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4°C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4°C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).



ICC/IF-beta-2 Adrenergic R/ADRB2 Antibody (JM102-06) [NBP2-67187]  
- Analysis of A431 cells labeling beta 2 Adrenergic Receptor with Rabbit anti-beta 2 Adrenergic Receptor antibody at 1/100 dilution. Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-beta 2 Adrenergic Receptor antibody at 1/100 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488, was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI. Beta tubulin ( red) was stained at 1/100 dilution overnight at +4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 594, HA1126) was used as the secondary antibody at 1/1,000 dilution.





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### **Products Related to NBP2-67187**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00000154-P01-2ug	Recombinant Human beta-2 Adrenergic R/ADRB2 GST (N-Term) Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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