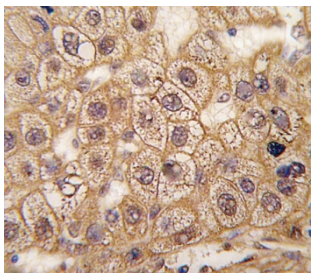
# B2AR Antibody / Beta-2-Adrenergic receptor / ADRB2 (F55107)

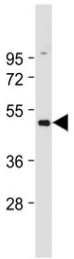
| Catalog No. | Formulation | Size |
|---|---|---|
| F55107-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F55107-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Antigen affinity |
| **UniProt** | P07550 |
| **Localization** | Cell membrane, cytoplasm |
| **Applications** | Western Blot : 1:1000-1:2000<br>Immunohistochemistry (FFPE) : 1:10-1:50 |
| **Limitations** | This B2AR antibody is available for research use only. |



IHC staining of FFPE human hepatocarcinoma tissue with B2AR antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.




Western blot testing of HUVEC lysate with B2AR antibody. Predicted molecular weight ~46 kDa.

## Description

The Beta-2-Adrenergic receptor is a protein that is found on the surface of cells, particularly in the lungs, heart, and smooth muscle tissue. It is a member of the G-protein coupled receptor family which transmits signals from outside the cell to the inside, triggering a cascade of cellular responses. The Beta-2-Adrenergic receptor plays a critical role in regulating various physiological functions, including bronchodilation, heart rate, and glucose metabolism. Dysregulation of the Beta-2-Adrenergic receptor has been implicated in a variety of diseases, such as asthma, chronic obstructive pulmonary disease, and heart failure.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the B2AR antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 236-264 from the human protein was used as the immunogen for the B2AR antibody.

## Storage

Aliquot the B2AR antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.