



[Go to Product page](#)

Datasheet for ABIN737586

## anti-OX1R/OX2R antibody (AA 321-425)

5 Images

1 Publication

### Overview

|                      |                                                                                                                                                                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                                                                                                                                 |
| Target:              | OX1R/OX2R (HCRTR1/HCRTR2)                                                                                                                                                                                                                              |
| Binding Specificity: | AA 321-425                                                                                                                                                                                                                                             |
| Reactivity:          | Human, Mouse, Rat                                                                                                                                                                                                                                      |
| Host:                | Rabbit                                                                                                                                                                                                                                                 |
| Clonality:           | Polyclonal                                                                                                                                                                                                                                             |
| Conjugate:           | This OX1R/OX2R antibody is un-conjugated                                                                                                                                                                                                               |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

### Product Details

|                       |                                                                       |
|-----------------------|-----------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Orexin receptor 1 |
| Isotype:              | IgG                                                                   |
| Cross-Reactivity:     | Human, Mouse, Rat                                                     |
| Predicted Reactivity: | Dog,Cow,Pig,Horse,Chicken,Rabbit                                      |
| Purification:         | Purified by Protein A.                                                |

### Target Details

|         |                           |
|---------|---------------------------|
| Target: | OX1R/OX2R (HCRTR1/HCRTR2) |
|---------|---------------------------|

## Target Details

---

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | Orexin receptor 1+2 ( <a href="#">HCRTR1/HCRTR2 Products</a> )                                                                                                                                                                                                                                                                                                                                                                         |
| Background:       | Synonyms: OX2R, Orexin receptor type 2, Ox-2-R, Ox2-R, Hypocretin receptor type 2, HCRTR2<br>Background: The protein encoded by this gene is a G-protein coupled receptor involved in the regulation of feeding behavior. The encoded protein binds the hypothalamic neuropeptides orexin A and orexin B. A related gene (HCRTR1) encodes a G-protein coupled receptor that selectively binds orexin A. [provided by RefSeq, Jan 2009] |
| Gene ID:          | 3062                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| UniProt:          | <a href="#">O43614</a>                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Application Details

---

|                    |                                                                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 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

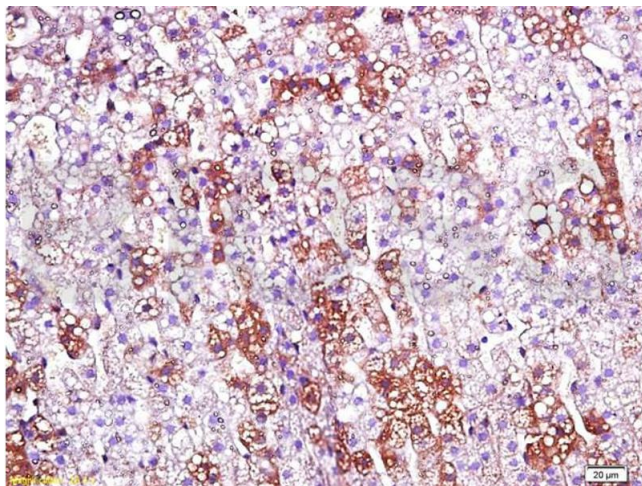
---

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                        |
| Storage Comment:   | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.                                    |
| Expiry Date:       | 12 months                                                                                                          |

## Publications

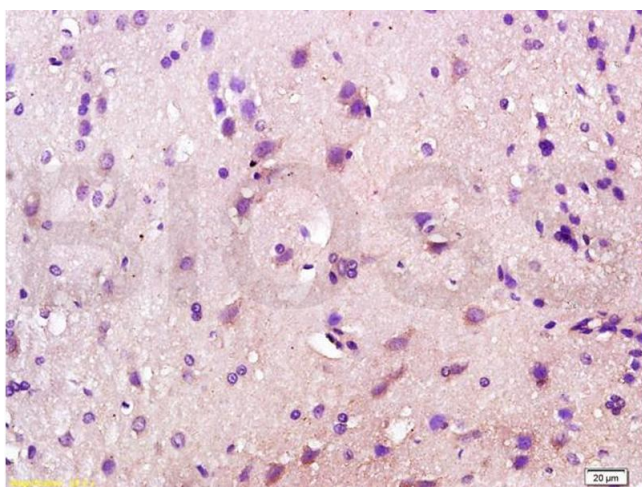
Product cited in: Dekker, van Geemen, van den Bogaerd, Driessen-Mol, Aikawa, Smits: "Sheep-Specific Immunohistochemical Panel for the Evaluation of Regenerative and Inflammatory Processes in Tissue-Engineered Heart Valves." in: **Frontiers in cardiovascular medicine**, Vol. 5, pp. 105, (2018) ([PubMed](#)).

## Images



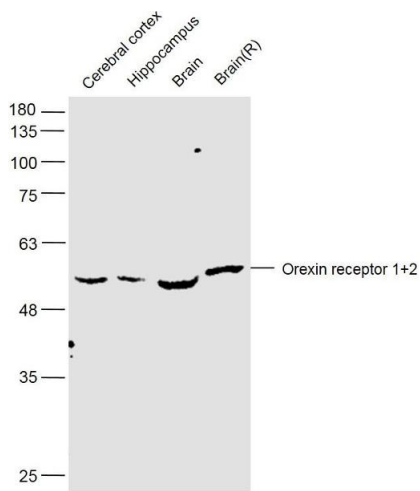
### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded rat kidney labeled with Anti-CD200R/Orexin receptor Polyclonal Antibody, Unconjugated (ABIN737586) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



### Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin embedded rat brain labeled with Anti-CD200R/Orexin receptor Polyclonal Antibody, Unconjugated (ABIN737586) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



### Western Blotting

**Image 3.** Lane 1: Mouse cerebral cortex lysates Lane 2: Mouse hippocampus lysates Lane 3: Mouse brain lysates Lane 4: rat Brain lysates probed with Orexin receptor 1+2 Polyclonal Antibody, Unconjugated at 1:500 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN737586.