Datasheet for ABIN545654

# anti-Leptin Receptor antibody (N-Term)

1 Image | 2 Publications

Go to Product page

## Overview

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|---|---|
| Quantity: | 400 µL |
| Target: | Leptin Receptor (LEPR) |
| Binding Specificity: | N-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Leptin Receptor antibody is un-conjugated |
| Application: | ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

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|---|---|
| Purpose: | Rabbit polyclonal antibody raised against synthetic peptide of LEPR. |
| Immunogen: | A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human LEPR. |
| Cross-Reactivity: | Human |

## Target Details

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|---|---|
| Target: | Leptin Receptor (LEPR) |
| Alternative Name: | CD295 / Leptin Receptor (LEPR Products) |
| Gene ID: | 3953 |
| Pathways: | JAK-STAT Signaling, AMPK Signaling, Feeding Behaviour |

## Application Details

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|---|---|
| Application Notes: | ELISA (1:1000)<br>Immunohistochemistry (1:50-100)<br>The optimal working dilution should be determined by the end user. |
| Restrictions: | For Research Use only |

## Handling

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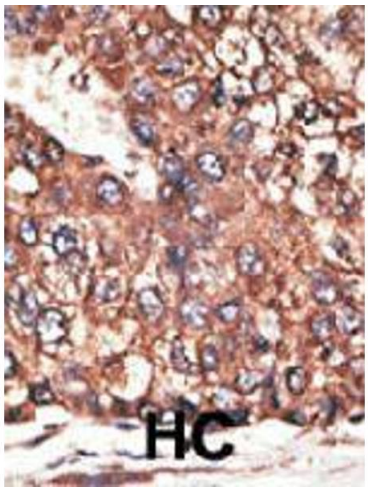
| Format: | Liquid |
| Buffer: | In PBS (0.09 % sodium azide) |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |

## Publications

| | |
|---|---|
| Product cited in: | Couturier, Jockers: "Activation of the leptin receptor by a ligand-induced conformational change of constitutive receptor dimers." in: **The Journal of biological chemistry**, Vol. 278, Issue 29, pp. 26604-11, (2003) (PubMed).<br><br>Gavrila, Peng, Chan, Mietus, Goldberger, Mantzoros: "Diurnal and ultradian dynamics of serum adiponectin in healthy men: comparison with leptin, circulating soluble leptin receptor, and cortisol patterns." in: **The Journal of clinical endocrinology and metabolism**, Vol. 88, Issue 6, pp. 2838-43, (2003) (PubMed). |




## Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with LEPR polyclonal antibody , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated. HC = hepatocarcinoma.