

Rabbit anti-Human Leptin Receptor Polyclonal Antibody | anti-LEPR antibody

Anti-Leptin Receptor Antibody, Rabbit Polyclonal

CATALOG # AAA259487	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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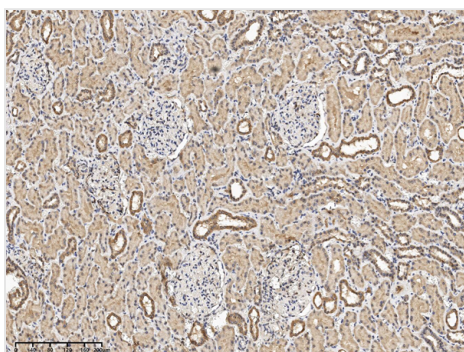
PRODUCT SYNONYMS

Leptin Receptor; Polyclonal Antibody; Anti-Leptin Receptor Antibody; Rabbit Polyclonal; Leptin Receptor Antibody; Rabbit PAb; Antigen Affinity Purified; leptin receptor; Anti-CD295 Antibody; Anti-DB Antibody; Anti-LEP-R Antibody; Anti-LEPRD Antibody; Anti-OB-R Antibody; Anti-OB-R Antibody; anti-LEPR antibody

PRODUCT SPECIFICATIONS

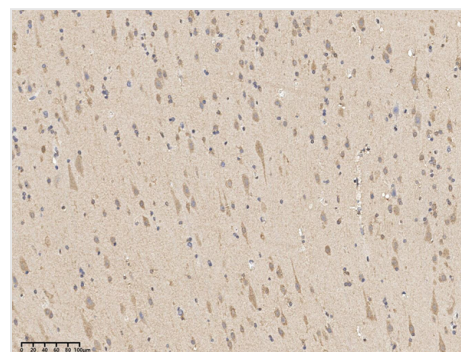
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Leptin Receptor
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-LEPR antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant Human Leptin Receptor Protein (NP_002294.2; Met1-Asp839). Leptin Receptor specific IgG was purified by Human Leptin Receptor affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

IMAGES



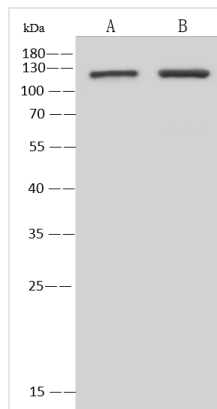
IHC (Immunohistochemistry)

Immunochemical staining of human Leptin Receptor in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human Leptin Receptor in human brain with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)
 Anti-Leptin Receptor rabbit polyclonal antibody at 1:500 dilution
 Lane A: U87MG Whole Cell Lysate
 Lane B: HepG2 Whole Cell Lysate
 Lysates/proteins at 30ug per lane.
 Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.
 Developed using the ECL technique.
 Performed under reducing conditions.
 Predicted band size:127 kDa
 Observed band size:127 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-LEPR antibody	Leptin Receptor or CD295 belongs to the gp130 family of cytokine receptors that are known to stimulate gene transcription via activation of cytosolic STAT proteins. This protein is a receptor for leptin (an adipocyte-specific hormone that regulates body weight) and is involved in the regulation of fat metabolism, as well as in a novel hematopoietic pathway that is required for normal lymphopoiesis. Leptin Receptor/CD295 is transmembrane catalytic receptors found on NPY/AgRP and alpha-MSH/CART neurons in hypothalamic nuclei. Leptin receptors (Ob-Rs) are coded for by one human gene that produces six different isoforms; Ob-Ra-Ob-Rf. Ob-Rs exist as constitutive dimers at physiological expression levels. Only the Ob-Rb isoform can transduce intracellular signals and does so through activation of the JAK2/STAT3, PI 3-K, and MAPK signaling cascades. Activation of Ob-Rs mediates transcriptional regulation of the hypothalamic melanocortin pathway and downregulates endocannabinoid expression. Leptin acts via leptin receptors. Leptin resistance has been proposed as a pathophysiological mechanism of obesity. In obese individuals, Ob-Ra (which is involved in the active transport of leptin across the blood-brain barrier) expression is downregulated and the individual may be unresponsive to leptin signals. Ob-R antagonists are of great interest in the development of pharmacological treatments for obesity. Mutations in the Leptin Receptor/CD295 have been associated with obesity and pituitary dysfunction.
References	Heshk. JT. e. al. (2001). . rol. fo. dietar. fa. i. lepti. receptor. OB-Rb. function. Lif. Sci. 6. (9). 987-1003. Che. H. e. a. (1996). Evidenc. tha. th. diabete. gen. encode. th. lepti. receptor. identificatio. o. . mutatio. i. th. lepti. recepto. gen. i. db/d. mice. Cell. 8. (3). 491-5. Bjrbae. C. e. al. (1998). Divergen. signalin. capacitie. o. th. lon. an. shor. isoform. o. th. lepti. receptor. . Bio. Chem. 27. (51). 32686-95.

NCBI AND UNIPROT INFORMATION

NCBI GI #	40254464
NCBI GeneID	3953
NCBI Accession #	NP_002294.2
NCBI GenBank Nucleotide #	NM_002303.5
UniProt Accession #	P48357; Q13592; Q13593; Q13594; Q92919; Q92920; Q92921
Molecular Weight	96,042 Da
NCBI Official Full Name	leptin receptor isoform 1
NCBI Official Synonym Full Names	leptin receptor
NCBI Official Symbol	LEPR
NCBI Official Synonym Symbols	OBR; OB-R; CD295; LEP-R; LEPRD

NCBI Protein Information	leptin receptor; huB219; OB receptor
UniProt Protein Name	Leptin receptor
UniProt Gene Name	LEPR
UniProt Synonym Gene Names	DB; OBR; LEP-R; OB-R
UniProt Entry Name	LEPR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/leptin-receptor-antibody-immunohistochemistry-western-blot-elisa/259487>