

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

Leptin Receptor Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282670	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Leptin Receptor; Monoclonal Antibody; Leptin Receptor Rabbit mAb; OBR; OB-R; CD295; LEP-R; LEPRD; anti-LEPR antibody

PRODUCT SPECIFICATIONS

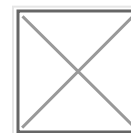
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	EEQGLINSSV TKCFSSKNSP LKDSFSNSSW EIEAQAFFIL SDQHPNIIISP HLTfSEGLDE LLKLEGNFPE ENNDKKSIIYY LGVTSIKKRE SGVLLTDKSR V
Applicable Applications for anti-LEPR antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1000-1100 of human Leptin Receptor (P48357).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



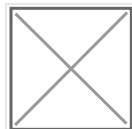
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human tonsil using Leptin Receptor Rabbit mAb (AAA282670) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



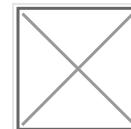
IHC (Immunohistochemisry)

Immunohistochemistry analysis of paraffin-embedded Human liver cancer using Leptin Receptor Rabbit mAb (AAA282670) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



IHC (Immunohiostchemistry)

Immunohistochemistry analysis of paraffin-embedded Human kidney using Leptin Receptor Rabbit mAb (AAA282670) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of various lysates using Leptin Receptor Rabbit mAb (AAA282670) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1min .

ADDITIONAL INFORMATION

Related Product Information for anti-LEPR antibody	The protein encoded by this gene 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. Mutations in this gene have been associated with obesity and pituitary dysfunction. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. It is noteworthy that this gene and LEPROT gene (GeneID:54741) share the same promoter and the first 2 exons, however, encode distinct proteins (PMID:9207021).
Product Categories/Family for anti-LEPR antibody	Cancer; Signal Transduction; Cell Biology Developmental Biology; Growth factors; Endocrine Metabolism; Lipid Metabolism; AMPK Signaling Pathway; Endocrine and metabolic diseases; Obesity; Immunology Inflammation; CDs; Cardiovascular; Lipids; Fatty Acids;

NCBI AND UNIPROT INFORMATION

NCBI GI #	51093379
NCBI GeneID	3953
NCBI Accession #	NP_001003679.1
NCBI GenBank Nucleotide #	NM_001003679.3
UniProt Accession #	P48357; Q13592; Q13593; Q13594; Q92919; Q92920; Q92921
Molecular Weight	Calculated MW: 132kDa Observed MW: 140kDa
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/monoclonal/leptin-receptor-antibody-immunohistochemistry-western-blot-elisa/282670>