

Product Datasheet

Leptin Receptor Antibody / LEPR (orb2636975)

Catalog Number	orb2636975
Category	Antibodies
Description	The Ob gene encodes the protein leptin. The leptin receptor, designated Ob-R, has been shown to be a single membrane-spanning receptor that most resembles the gp130 signal transducing component of the IL-6, G-CSF and LIF receptor.
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin (US sourced), 0.05% sodium azide
Purity	Protein A/G affinity
Immunogen	A portion of amino acids 335-425 was used as the immunogen for the Leptin Receptor antibody.
UniProt ID	P48357
Tested applications	IHC-P
Dilution range	Immunohistochemistry (FFPE): 1-2ug/ml
Application notes	Optimal dilution of the Leptin Receptor antibody should be determined by the researcher.

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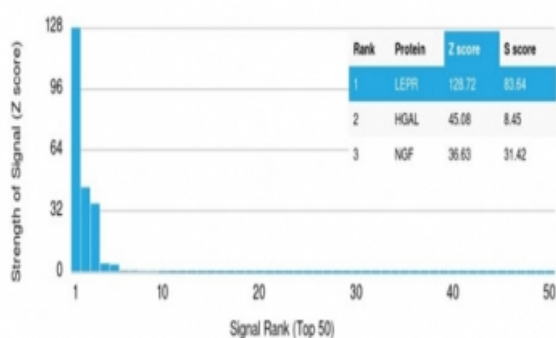
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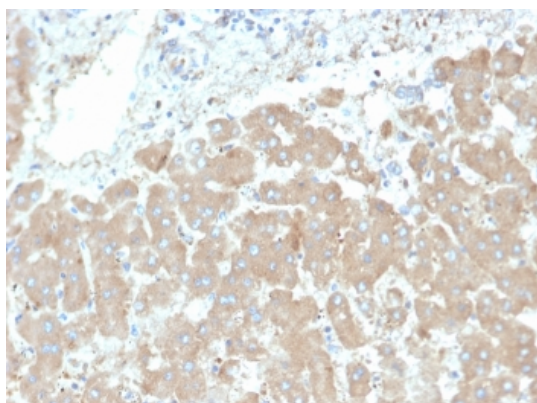
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Antibody Type	Primary Antibody
Clone Number	LEPR/4301
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Hazard Information	This Leptin Receptor antibody is available for research use only.
Note	For research use only

Human Protein Microarray Specificity Validation



Analysis of HuProt (TM) microarray containing more than 19000 full-length human proteins using Leptin Receptor antibody (clone LEPR/4301). These results demonstrate the foremost specificity of the LEPR/4301 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt (TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt (TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



IHC staining of human liver tissue with Leptin Receptor antibody (clone LEPR/4301). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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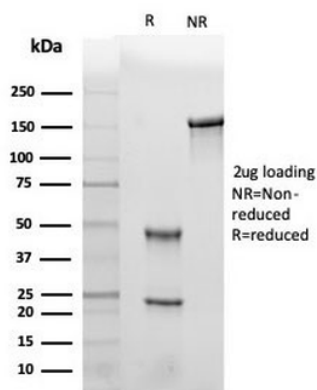
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SDS-PAGE analysis of purified, BSA-free Leptin Receptor antibody (clone LEPR/4301) as confirmation of integrity and purity.

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