

Product Datasheet

Lipolysis Stimulated Lipoprotein Receptor Antibody - BSA Free NBP1-89631

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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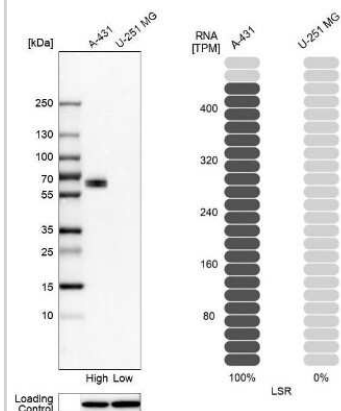


NBP1-89631**Lipolysis Stimulated Lipoprotein Receptor Antibody - BSA Free**

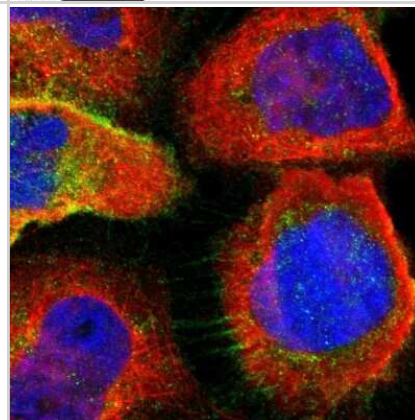
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Host	Rabbit
Gene ID	51599
Gene Symbol	LSR
Species	Human, Mouse, Porcine, Rhesus Macaque
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 25753034). Primate (Rhesus macaques) reported in scientific literature (PMID: 26067369). Porcine reactivity reported in scientific literature (PMID: 24048008)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: MSEVTSLHEDDWRSRPSRGPALTPIRDEEWGGHSPRSPRGWDQEPAREQAG GGWRARRPRARSVDALDDLTPPSTAESGSRSPSTNGGRRSRAYMPPRSRSD DLYDQDDS
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Simple Western 1:20, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200, Knockdown Validated Reported in scientific publication (PMID: 32423802).
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. See Simple Western Antibody Database for Simple Western validation: Tested in RT-4, A431, separated by Size, antibody dilution of 1:20, apparent MW was 70 kDa

Images

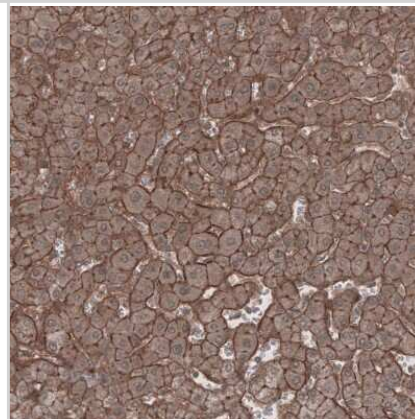
Western Blot: Lipolysis Stimulated Lipoprotein Receptor Antibody [NBP1-89631] - Analysis in human cell lines A-431 and U-251MG using anti-LSR antibody. Corresponding LSR RNA-seq data are presented for the same cell lines. Loading control: anti-HSP90B1.



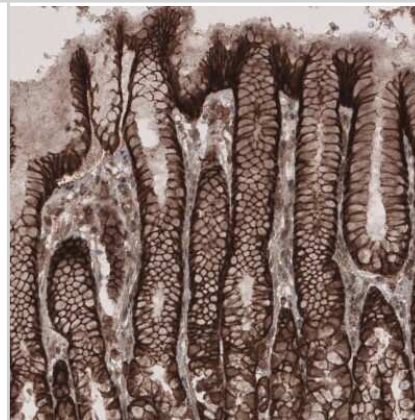
Immunocytochemistry/Immunofluorescence: Lipolysis Stimulated Lipoprotein Receptor Antibody [NBP1-89631] - Staining of human cell line A-431 shows localization to nucleoplasm, plasma membrane & cytosol. Antibody staining is shown in green.



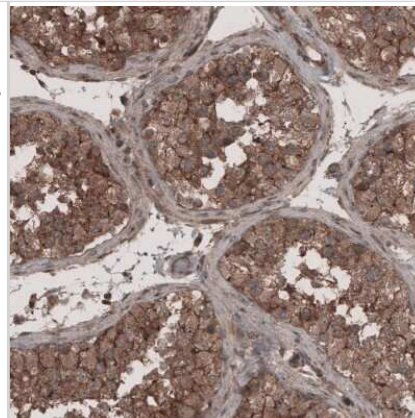
Immunohistochemistry-Paraffin: Lipolysis Stimulated Lipoprotein Receptor Antibody [NBP1-89631] - Staining of human liver shows moderate membranous positivity in hepatocytes.



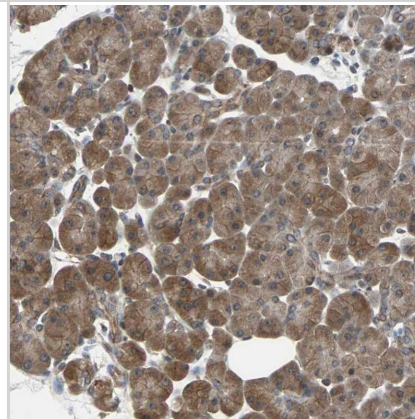
Immunohistochemistry-Paraffin: Lipolysis Stimulated Lipoprotein Receptor Antibody [NBP1-89631] - Staining of human stomach shows strong membranous positivity in glandular cells.



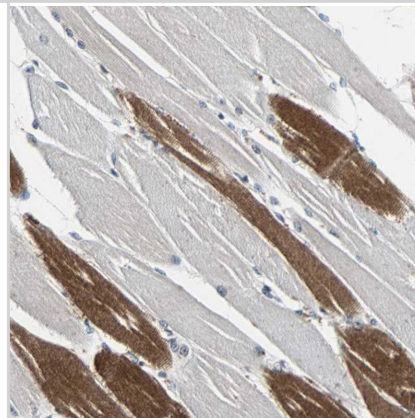
Immunohistochemistry-Paraffin: Lipolysis Stimulated Lipoprotein Receptor Antibody [NBP1-89631] - Staining of human testis shows moderate membranous and cytoplasmic positivity in cells in seminiferous ducts.



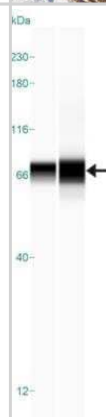
Staining of human stomach shows strong membranous positivity in glandular cells.



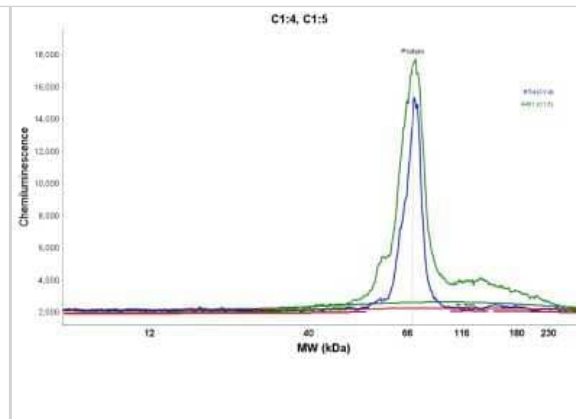
Staining of human liver shows moderate membranous positivity in hepatocytes.



Simple Western: Lipolysis Stimulated Lipoprotein Receptor Antibody [NBP1-89631] - Simple Western lane view shows a specific band for LSR in 0.2 mg/ml of RT-4 (left), A431 (right) lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: Lipolysis Stimulated Lipoprotein Receptor Antibody [NBP1-89631] - Electropherogram image(s) of corresponding Simple Western lane view. Lipolysis Stimulated Lipoprotein Receptor antibody was used at 1:20 dilution on RT-4 and A431 lysate(s).



Publications

Kakiuchi A, Kakuki T, Ohwada K et al. HDAC inhibitors suppress the proliferation, migration and invasiveness of human head and neck squamous cell carcinoma cells via p63[?]mediated tight junction molecules and p21[?]mediated growth arrest *Oncology Reports* 2021-03-01 [PMID: 33649777]

Arai W, Konno T, Kohno T et al. Downregulation of angulin-1/LSR induces malignancy via upregulation of EGF-dependent claudin-2 and TGF- β -dependent cell metabolism in human lung adenocarcinoma A549 cells *Oncotarget* 2023-03-24 [PMID: 36961882]

Kohno T, Konno T, Kikuchi S Et al. Translocation of LSR from tricellular corners causes macropinocytosis at cell-cell interface as a trigger for breaking out of contact inhibition *FASEB journal : official publication of the Federation of American Societies for Experimental Biology* 2021-09-01 [PMID: 34403506] (WB)

Ohwada K, Konno T, Kohno T Et al. Effects of HMGB1 on Tricellular Tight Junctions via TGF-beta Signaling in Human Nasal Epithelial Cells *International journal of molecular sciences* 2021-08-04 [PMID: 34445093]

Kodera Y, Kohno T, Konno T et al. HMGB1 enhances epithelial permeability via p63/TGF-beta signaling in lung and terminal bronchial epithelial cells *Tissue Barriers* 2020-08-28 [PMID: 32857676]

Kodera Y, Chiba H, Konno T et al. HMGB1-downregulated angulin-1/LSR induces epithelial barrier disruption via claudin-2 and cellular metabolism via AMPK in airway epithelial Calu-3 cells *Biochem. Biophys. Res. Commun.* 2020-06-25 [PMID: 32423802] (ICC/IF, KD, WB, Human)

Konno T, Kohno T, Kikuchi S et al. Epithelial barrier dysfunction and cell migration induction via JNK/cofilin/actin by angubindin-1 *Tissue Barriers* 2019-11-29 [PMID: 31782346]

Konno T, Kohno T, Kikuchi S et al. Localization of Tricellular Tight Junction Molecule LSR at Midbody and Centrosome During Cytokinesis in Human Epithelial Cells *J. Histochem. Cytochem.* 2019-10-29 [PMID: 31662022]

Konno T, Takano K, Kaneko Y et al. Guanylate binding protein-1-mediated epithelial barrier in human salivary gland duct epithelium. *Exp. Cell Res.* 2018-07-22 [PMID: 30044945] (IHC-P, Human)

Takano K, Kakuki T, Kaneko Y et al. Histone deacetylase inhibition prevents cell death induced by loss of tricellular tight junction proteins in temperature-sensitive mouse cochlear cells *PLoS ONE* 2017-08-02 [PMID: 28767685] (WB, Mouse)

SHIMADA H, SATOHISA S, KOHNO T et al. Downregulation of lipolysis-stimulated lipoprotein receptor promotes cell invasion via claudin-1-mediated matrix metalloproteinases in human endometrial cancer. *Oncology letters.* [PMID: 29151917] (WB, Human)

Sohet F, Lin C, Munji RN et al. LSR/angulin-1 is a tricellular tight junction protein involved in blood-brain barrier formation. *J Cell Biol* 2015-03-16 [PMID: 25753034] (ICC/IF, Mouse)

More publications at <http://www.novusbio.com/NBP1-89631>



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Products Related to NBP1-89631

NBP1-89631PEP	Lipolysis Stimulated Lipoprotein Receptor Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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