

Product datasheet

Anti-SLIRP antibody [1E10BC8] ab119687

4 Images

Overview

Product name	Anti-SLIRP antibody [1E10BC8]
Description	Mouse monoclonal [1E10BC8] to SLIRP
Host species	Mouse
Tested applications	Suitable for: WB, Flow Cyt, ICC/IF, IHC-P
Species reactivity	Reacts with: Human Does not react with: Mouse, Rat
Immunogen	Synthetic peptide. This information is considered to be commercially sensitive.
Positive control	This antibody gave a positive result in IHC in the following FFPE tissue: Human normal kidney.
General notes	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> <p>Product was previously marketed under the MitoSciences sub-brand.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.5 Preservative: 0.02% Sodium azide Constituent: 99% HEPES buffered saline
Purity	Ammonium Sulphate Precipitation
Purification notes	Purity is near homogeneity as judged by SDS-PAGE. ab119687 was produced in vitro using hybridomas grown in serum-free medium, and then concentrated by ammonium sulfate precipitation.

Clonality	Monoclonal
Clone number	1E10BC8
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab119687 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 12 kDa.
Flow Cyt		Use a concentration of 1 µg/ml. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
ICC/IF		Use a concentration of 1 µg/ml.
IHC-P		Use a concentration of 5 µg/ml.

Target

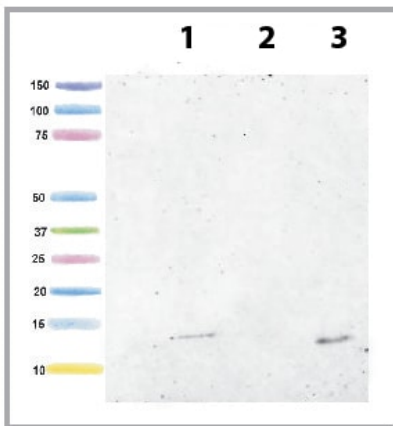
Relevance

SLIRP is a RNA binding protein that acts as a nuclear receptor corepressor. It may act by binding the SRA RNA, and repressing the SRA-mediated nuclear receptor coactivation. SLIRP binds the STR7 loop of SRA RNA. It is also able to repress glucocorticoid (GR), androgen (AR), thyroid (TR) and VDR-mediated transactivation. It contains 1 RRM (RNA recognition motif) domain. SLIRP is predominantly found in mitochondrial with a limited role in the nucleus where it is recruited to nuclear receptor target promoters.

Cellular localization

Mitochondrial and Nuclear; Predominantly mitochondrial.

Images



Western blot - Anti-SLIRP antibody [1E10BC8] (ab119687)

All lanes : Anti-SLIRP antibody [1E10BC8] (ab119687) at 1 $\mu\text{g/ml}$

Lane 1 : HepG2 lysate at 20 μg

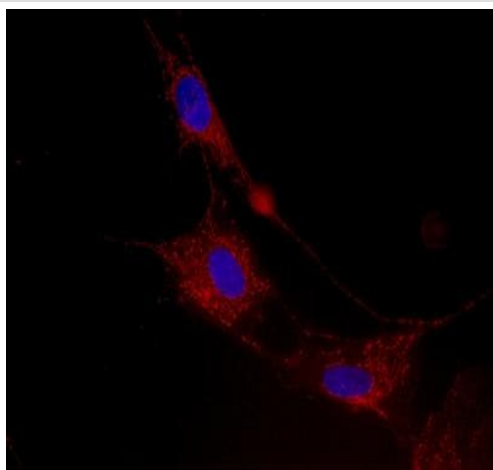
Lane 2 : fibroblast lysate at 20 $\mu\text{g/ml}$

Lane 3 : SLIRP recombinant protein at 0.01 μg

Secondary

All lanes : Infra red fluorescence - Goat anti-mouse 800 at 1/5000 dilution

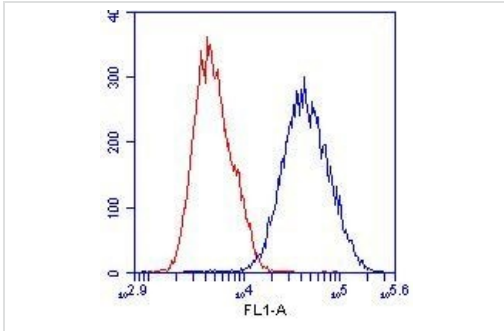
Predicted band size: 12 kDa



Immunocytochemistry/ Immunofluorescence - Anti-SLIRP antibody [1E10BC8] (ab119687)

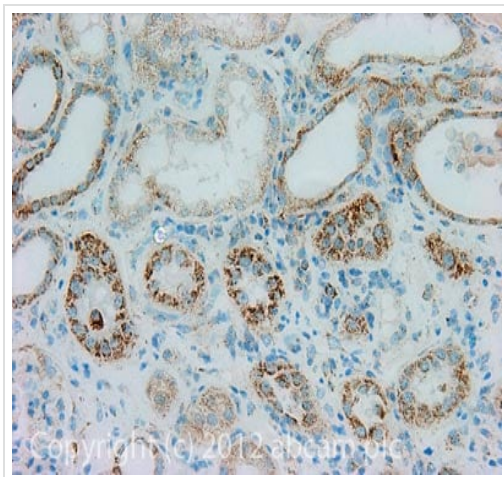
Immunocytochemistry of ab119687 stained HDFn cells (human).

The cells were paraformaldehyde fixed (4%, 20 min) and Triton X-100 permeabilized (0.1%, 15min). The cells were then incubated with the antibody (ab119687, 1 $\mu\text{g/ml}$) for 2h at room temperature or over night at 4°C. The secondary antibody was (red) 594 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1h. 10% Goat serum was used as the blocking agent for all blocking steps. The target protein locates to the mitochondria.



Flow Cytometry - Anti-SLIRP antibody [1E10BC8] (ab119687)

Fibroblast (HDFn) cells were stained with 1 µg/mL SLIRP antibody (ab119687) (blue) or an equal amount of an isotype control antibody (red) and analyzed by flow cytometry.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SLIRP antibody [1E10BC8] (ab119687)

IHC image of SLIRP staining in Human normal kidney formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab119687, 5 µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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