

Anti-Lipocalin-2 / NGAL antibody ab89819

3 图像

概述

产品名称	Anti-Lipocalin-2 / NGAL 抗体
描述	小鼠多克隆抗体 to Lipocalin-2 / NGAL
宿主	Mouse
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Human
免疫原	Recombinant full length protein within Human Lipocalin-2/ NGAL aa 1-200. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. Database link: NP_005555.1
阳性对照	WB: spleen tissue lysate. IHC: pancreas tissue.
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.40 Constituent: 100% PBS
纯度	Protein A purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab89819于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		
IHC-P		

应用说明

IHC-P: Use at a concentration of 3 µg/ml. Antigen retrieval is not essential but may optimise staining. Microwave method recommended.

WB: Use at a concentration of 1 µg/ml. Predicted molecular weight: 23 kDa.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

靶标

功能

Iron-trafficking protein involved in multiple processes such as apoptosis, innate immunity and renal development. Binds iron through association with 2,5-dihydroxybenzoic acid (2,5-DHBA), a siderophore that shares structural similarities with bacterial enterobactin, and delivers or removes iron from the cell, depending on the context. Iron-bound form (holo-24p3) is internalized following binding to the SLC22A17 (24p3R) receptor, leading to release of iron and subsequent increase of intracellular iron concentration. In contrast, association of the iron-free form (apo-24p3) with the SLC22A17 (24p3R) receptor is followed by association with an intracellular siderophore, iron chelation and iron transfer to the extracellular medium, thereby reducing intracellular iron concentration. Involved in apoptosis due to interleukin-3 (IL3) deprivation: iron-loaded form increases intracellular iron concentration without promoting apoptosis, while iron-free form decreases intracellular iron levels, inducing expression of the proapoptotic protein BCL2L11/BIM, resulting in apoptosis. Involved in innate immunity, possibly by sequestering iron, leading to limit bacterial growth.

组织特异性

Expressed in bone marrow and in tissues that are prone to exposure to microorganism. High expression is found in bone marrow as well as in uterus, prostate, salivary gland, stomach, appendix, colon, trachea and lung. Not found in the small intestine or peripheral blood leukocytes.

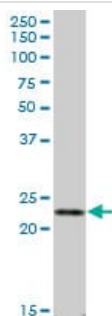
序列相似性

Belongs to the calycin superfamily. Lipocalin family.

细胞定位

Secreted. Upon binding to the SLC22A17 (24p3R) receptor, it is internalized.

图片

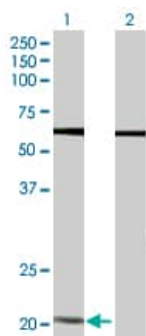


Western blot - Anti-Lipocalin-2 / NGAL antibody
(ab89819)

Anti-Lipocalin-2 / NGAL antibody (ab89819) at 1 µg/ml + Human spleen tissue lysate at 50 µg

Predicted band size: 23 kDa

Observed band size: 23 kDa



Western blot - Anti-Lipocalin-2 / NGAL antibody
(ab89819)

All lanes : Anti-Lipocalin-2 / NGAL antibody (ab89819) at 1 µg/ml

Lane 1 : Lipocalin 2 transfected 293T cell lysate

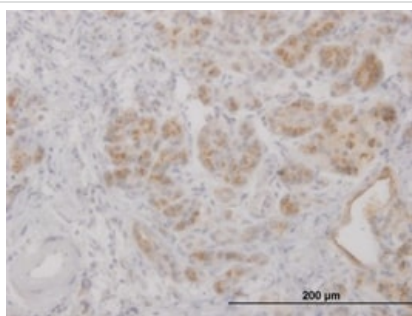
Lane 2 : Non-transfected lysate

Lysates/proteins at 25 µg per lane.

Predicted band size: 23 kDa

Observed band size: 23 kDa

Additional bands at: ~60 kDa. We are unsure as to the identity of these extra bands.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Lipocalin-2 / NGAL antibody (ab89819)

ab89819 at 3µg/ml staining Lipocalin-2/ NGAL in formalin-fixed, paraffin-embedded Human pancreas tissue by immunohistochemistry .

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