

Anti-Lipocalin-2 / NGAL antibody [29] ab70287

★★★★★ [3 Abreviews](#) [8 References](#) [2 图像](#)

概述

产品名称	Anti-Lipocalin-2 / NGAL抗体[29]
描述	大鼠单克隆抗体[29] to Lipocalin-2 / NGAL
宿主	Rat
特异性	ab70287 binds Lipocalin-2 / NGAL in mouse serum.
经测试应用	适用于: IHC-P
种属反应性	与反应: Mouse
免疫原	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
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. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.40</p> <p>Preservative: 0.097% Sodium azide</p> <p>Constituents: 2.9% Sodium chloride, 0.0268% PBS</p>
纯度	Protein A purified
纯化说明	ab70287 is protein A/G purified.
克隆	单克隆
克隆编号	29
同种型	IgG1
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab70287于以下的经测试应用

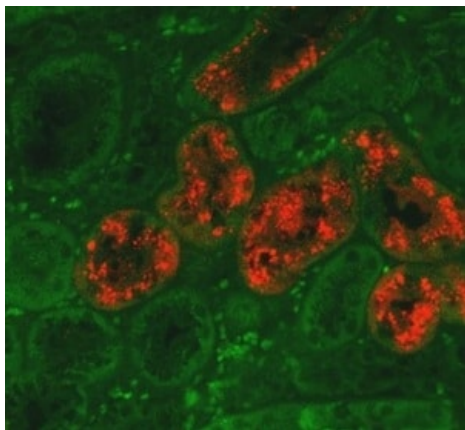
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P	★★★★★ (1)	Use at an assay dependent concentration. Microwave pretreatment using citrate buffer pH 6, is recommended.

靶标

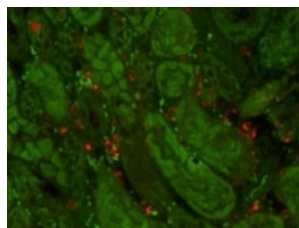
功能	Iron-trafficking protein involved in multiple processes such as apoptosis, innate immunity and renal development. Binds iron through association with 2,5-dihydroxybenzoic acid (2,5-DHBA), a siderophore that shares structural similarities with bacterial enterobactin, and delivers or removes iron from 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



Lipocalin-2 / NGAL expression in the ischemia-reperfusion injured mouse kidney; detected with anti-mouse Lipocalin-2 / NGAL antibody (ab70287) (1:1000).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Lipocalin-2 / NGAL antibody [29] (ab70287)



Lipocalin-2 / NGAL expression 2 days after the introduction of ischemic-reperfusion injured mouse kidney; detected with ab70287 at 1/1000.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Lipocalin-2 / NGAL antibody [29] (ab70287)

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