

Product datasheet

Anti-Lipocalin-2 / NGAL antibody [MM0458-2G32] ab89565

概述

产品名称	Anti-Lipocalin-2 / NGAL 抗体[MM0458-2G32]
描述	大鼠单克隆抗体[MM0458-2G32] to Lipocalin-2 / NGAL
宿主	Rat
特异性	ab89565 detects Lipocalin-2 / NGAL.
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 corresponding to Human Lipocalin-2/ NGAL.

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	Preservative: None Constituents: PBS
纯度	Protein G purified
纯化说明	The IgG fraction of culture supernatant was purified by Protein G affinity chromatography and 0.2 µm filtered.
克隆	单克隆
克隆编号	MM0458-2G32
同种型	IgG2

应用

Our [Abpromise guarantee](#) covers the use of **ab89565** in the following tested applications.

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

应用	Ab评论	说明
WB		1/500 - 1/1000. Predicted molecular weight: 23 kDa.

应用	Ab评论	说明
IHC-P		1/20 - 1/100.

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.

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