

# Recombinant Rat Lipocalin-2 / NGAL protein ab108563

## 1 References

### 製品の詳細

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製品名	Recombinant Rat Lipocalin-2 / NGAL protein
精製度	> 90 % SDS-PAGE. ab108563 is 0.2µm filtered.
エンドキシン・レベル	< 0.100 Eu/µg
発現系	HEK 293 cells
アクセッション番号	<b>P30152</b>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Rat
予測される分子量	25 kDa
領域	1 to 198
タグ	DDDDK tag C-Terminus

### 特性

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Our **Abpromise guarantee** covers the use of **ab108563** in the following tested applications.

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

アプリケーション	SDS-PAGE
製品の状態	Liquid

### 前処理および保存

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保存方法および安定性	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Constituent: PBS
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### 関連情報

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機能	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
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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.

**組織特異性**

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.

**配列類似性**

Belongs to the calycin superfamily. Lipocalin family.

**細胞内局在**

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

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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