

Recombinant Human Lipocalin-2 / NGAL protein ab95007

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製品の詳細

製品名	Recombinant Human Lipocalin-2 / NGAL protein		
精製度	> 95 % SDS-PAGE. Filtered (0.22 µm). Purified using Ni-NTA resin		
エンドキシン・レベル	> 0.200 Eu/mg		
発現系	Escherichia coli		
アクセッション番号	P80188		
タンパク質長	Full length protein		
Animal free	No		
由来	Recombinant		
生物種	Human		
配列	MPLGLLWLGL ALLGALHAQA QDSTSDLIPA PPLSKVPLQQ NFQDNQFQGK WYVVGLAGNA ILREDKDPQK MYATIELKE DKSYNVTSVL FRKKKCDYWI RTFVPGCQPG EFTLGNIKSY PGLTSYLVRV VSTNYNQHAM VFFKKVSQNR EYFKITLYGR TKELTSELKE NFIRFSKSLG LPENHIVFPV PIDQCIDG		
予測される分子量	24 kDa		
領域	21 to 198		
タグ	His tag N-Terminus		
配列の追加情報	N-terminal His-tag and TEV cleavage site, 28 extra AA.		

特性

Our **Abpromise guarantee** covers the use of **ab95007** 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	Western blot
	Immunoprecipitation
	ELISA
製品の状態	Lyophilized

前処理および保存

保存方法および安定性

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Constituent: PBS

再構成

Add deionized water to prepare a working stock solution of approximately 1 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture. Aliquot reconstituted protein to avoid repeated freezing /thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

関連情報

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 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.

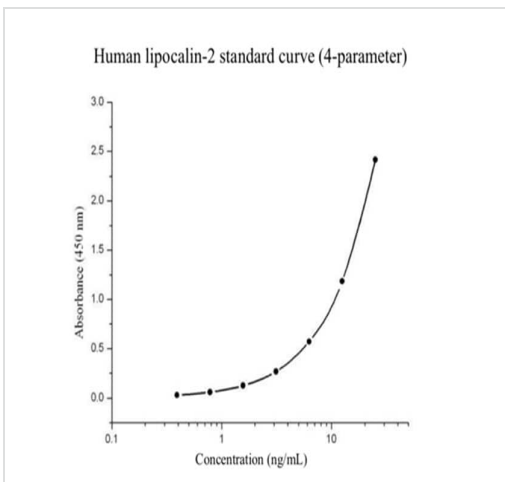
細胞内局在

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

画像



Western blot - Recombinant Human Lipocalin-2 /
NGAL protein (ab95007)



ELISA - Recombinant Human Lipocalin-2 / NGAL
protein (ab95007)

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

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