abcam

Product datasheet

Recombinant human Angiopoietin-like 4 protein ab108558

画像数 1

製品の詳細

製品名	Recombinant human Angiopoietin-like 4 protein
生理活性	Activates ERK phosphorylation in THP-1 cells.
精製度	> 90 % SDS-PAGE. ab108558 is 0.2 µm filtered.
エンドトキシン・レベル	< 0.100 Eu/µg
発現系	HEK 293 cells
アクセッション番号	**Q9BY76**
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
予測される分子量	18 kDa including tags
領域	1 to 161
タグ	DDDDK tag C-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab108558** 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 Functional Studies
製品の状態	Liquid
備考	Working aliquots are stable for up to 3 months when stored at -20°C.

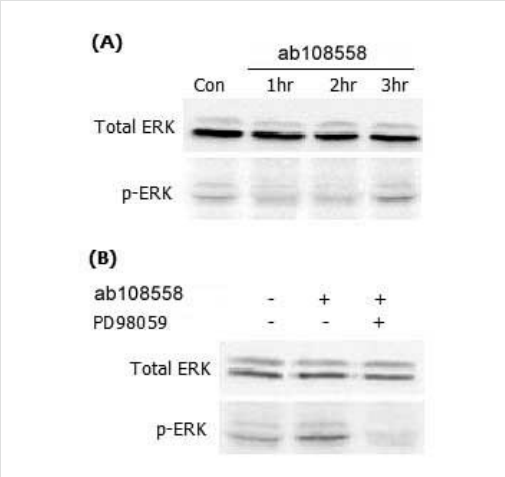
前処理および保存

保存方法および安定性	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Constituent: PBS This product is an active protein and may elicit a biological response in vivo, handle with caution.

関連情報

機能	Protein with hypoxia-induced expression in endothelial cells. May act as a regulator of angiogenesis and modulate tumorgenesis. Inhibits proliferation, migration, and tubule formation of endothelial cells and reduces vascular leakage. May exert a protective function on endothelial cells through an endocrine action. It is directly involved in regulating glucose homeostasis, lipid metabolism, and insulin sensitivity. In response to hypoxia, the unprocessed form of the protein accumulates in the subendothelial extracellular matrix (ECM). The matrix-associated and immobilized unprocessed form limits the formation of actin stress fibers and focal contacts in the adhering endothelial cells and inhibits their adhesion. It also decreases motility of endothelial cells and inhibits the sprouting and tube formation.
組織特異性	Expressed at high levels in the placenta, heart, liver, muscle, pancreas and lung but expressed poorly in the brain and kidney.
配列類似性	Contains 1 fibrinogen C-terminal domain.
翻訳後修飾	N-glycosylated.
細胞内局在	Secreted. Secreted > extracellular space > extracellular matrix. The unprocessed form interacts with the extracellular matrix. This may constitute a dynamic reservoir, a regulatory mechanism of the bioavailability of ANGPTL4.

画像



Functional Studies - Recombinant human Angiopoietin-like 4 protein (ab108558)

ERK phosphorylation induced by ab108558 (hANGPTL4 - coiled-coil domain) in THP-1 cells.
A. THP-1 monocyte cells were serum starved for 16 hr and then stimulated with ab108558 (500 ng/ml) for 1, 2 and 3 hrs, respectively. Antibodies against pERK1/2 and total ERK1/2 were used for immunoblotting.
B. Cells were treated with 20 μM PD98058 (MEK inhibitor) for 30 min prior adding of 500 ng/ml ab108558. After 3 hrs of incubation, Western blot was performed.

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

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