abcam

Product datasheet

Recombinant Human ARH protein ab123174

1 图像

描述

产品名称	重组人ARH蛋白
纯度	> 90 % SDS-PAGE. ab123174 is purified by using conventional chromatography techniques.
表达系统	Escherichia coli
Accession	Q5SW96
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MGSSHHHHHH SSGLVPRGSH MDALKSAGRA LIRSPSLAKQ SWGGGGRHRK LPENWTDTRE TLLEGMLFSL KYLGMTLVEQ PKGEELSAAA IKRIVATAKA SGKKLQKVTL KVSPRGIILT DNLTNQLIEN VSIYRISYCT ADKMHDKVFA YIAQSQHNQS LECHAFLCTK RKMAQAVTLT VAQAFKVAFE FWQVSKEEKE KRDKASQEGG DVLGARQDCT PPLKSLVATG NLLDLEETAK APLSTVSANT TNMDEVPRPQ ALSGSSVVWE LDDGLDEAFS RLAQSRTNPQ VLDTGLTAQD MHYAQCLSPV DWDKPDSSGT EQDDLFSF
预测分子量	36 kDa including tags
氨基酸	1 to 308
标签	His tag N-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab123174** in the following tested applications.

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

应用	SDS-PAGE
	Mass Spectrometry
质谱法	MALDI-TOF

形式	Liquid

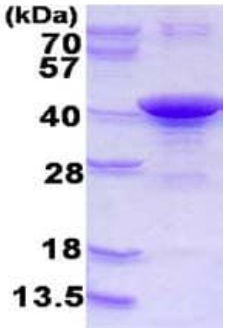
制备和贮存

稳定性和存储	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.03% DTT, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 1.17% Sodium chloride

常规信息

功能	Adapter protein (clathrin-associated sorting protein (CLASP)) required for efficient endocytosis of the LDL receptor (LDLR) in polarized cells such as hepatocytes and lymphocytes, but not in non-polarized cells (fibroblasts). May be required for LDL binding and internalization but not for receptor clustering in coated pits. May facilitate the endocytocis of LDLR and LDLR-LDL complexes from coated pits by stabilizing the interaction between the receptor and the structural components of the pits. May also be involved in the internalization of other LDLR family members. Binds to phosphoinositides, which regulate clathrin bud assembly at the cell surface.
组织特异性	Expressed at high levels in the kidney, liver, and placenta, with lower levels detectable in brain, heart, muscle, colon, spleen, intestine, lung, and leukocytes.
疾病相关	Defects in LDLRAP1 are the cause of autosomal recessive hypercholesterolemia (ARH) [MIM:603813]. ARH is a disorder caused by defective internalization of LDL receptors (LDLR) in the liver. ARH has the clinical features of familial hypercholesterolemia (FH) [MIM:143890] homozygotes, including severely elevated plasma LDL cholesterol, tuberous and tendon xanthomata, and premature atherosclerosis. LDL receptor (LDLR) activity measured in skin fibroblasts is normal, as the LDL binding ability.
序列相似性	Contains 1 PID domain.
结构域	The [DE]-X(1,2)-F-X-X-[FL]-X-X-X-R motif mediates interaction the AP-2 complex subunit AP2B1.
翻译后修饰	Phosphorylated upon DNA damage, probably by ATM or ATR.
细胞定位	Cytoplasm.

图片



SDS-PAGE - Recombinant Human ARH protein (ab123174)

15% SDS-PAGE analysis of 3ug ab123174.

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

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