

Product datasheet

Anti-ARL6 antibody ab120000

概述

产品名称

Anti-ARL6抗体

描述

山羊多克隆抗体to ARL6

① 该产品是 **快线抗体**，通过亲和纯化得到。对抗原肽有高灵敏度及特异性(ELISA测试)。

[Read the terms of use »](#)

宿主

Goat

特异性

Reported variants (NP\_816931.1, NP\_115522.1) represent identical protein.

种属反应性

预测可用于: Mouse, Rat, Cow, Dog, Zebrafish 

免疫原

Synthetic peptide:

KPSNAQSQDIVPT

with a Cysteine residue linker, corresponding to internal sequence amino acids 38-50 of Mouse ARL6 (NP\_062639.3).

 [Run BLAST with](#)

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常规说明

Reported variants (NP\_816931.1, NP\_115522.1) represent identical protein.

性能

形式

Liquid

存放说明

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

存储溶液

pH: 7.30

Preservative: 0.02% Sodium azide

Constituents: 99% Tris buffered saline, 0.5% BSA

纯度

Immunogen affinity purified

纯化说明

ab120000 is purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Primary antibody说明

Reported variants (NP\_816931.1, NP\_115522.1) represent identical protein.

克隆

多克隆

同种型

IgG

## 应用

Fast track antibodies constitute a diverse group of products that have been released to accelerate your research, but are not yet fully characterized. They have all been affinity purified and show high titre values against the immunizing peptide (by ELISA).

[Fast track terms of use](#)

应用	Ab 评论	说明
WB		Use at an assay dependent concentration. Predicted molecular weight: 21 kDa. Preliminary experiments gave an approx 33kDa band in Mouse Brain lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 21.0kDa according to NP_062639.3. The 33kDa band was successfully blocked by incubation with the immunizing peptide.

## 靶标

**功能** Involved in membrane protein trafficking at the base of the ciliary organelle. Mediates recruitment onto plasma membrane of the BBSome complex which would constitute a coat complex required for sorting of specific membrane proteins to the primary cilia. May regulate cilia assembly and disassembly and subsequent ciliary signaling events such as the Wnt signaling cascade. Isoform 2 may be required for proper retinal function and organization.

**疾病相关** Defects in ARL6 are a cause of Bardet-Biedl syndrome type 3 (BBS3) [MIM:209900]. Bardet-Biedl syndrome (BBS) is a genetically heterogeneous disorder characterized by usually severe pigmentary retinopathy, early onset obesity, polydactyly, hypogenitalism, renal malformation and mental retardation. Secondary features include diabetes mellitus, hypertension and congenital heart disease.

Defects in ARL6 are the cause of retinitis pigmentosa type 55 (RP55) [MIM:613575]. RP55 is a retinal dystrophy belonging to the group of pigmentary retinopathies. Retinitis pigmentosa is characterized by retinal pigment deposits visible on fundus examination and primary loss of rod photoreceptor cells followed by secondary loss of cone photoreceptors. Patients typically have night vision blindness and loss of midperipheral visual field. As their condition progresses, they lose their far peripheral visual field and eventually central vision as well.

**序列相似性** Belongs to the small GTPase superfamily. Arf family.

**细胞定位** Cell projection > cilium membrane. Cytoplasm > cytoskeleton > cilium axoneme. Cytoplasm > cytoskeleton > cilium basal body. Appears in a pattern of punctae flanking the microtubule axoneme that likely correspond to small membrane-associated patches. Localizes to the so-called ciliary gate where vesicles carrying ciliary cargo fuse with the membrane.

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