

— ABLYBIO, Help Your Research



ARL8B Rabbit pAb

货号: **AYP15874**

产品信息

反应	Human,Mouse
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB IF/ICC
推荐浓度	WB: 1:500 - 1:3000 IF/ICC: 1:50 - 1:200
理论分子量	18kDa/21kDa
实测分子量	21kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	U-87MG,LO2,Mouse brain,Mouse heart,Mouse kidney
细胞定位	Cytoplasm,Late endosome membrane,Lysosome membrane,cytoskeleton,spindle
纯化	Affinity purification

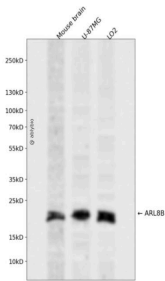
抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 127-186 of human ARL8 B (NP_060654.1).
------	--

靶点信息

研究背景	Small GTPase which cycles between active GTP-bound and inactive GDP-bound states. In its active state, binds to a variety of effector proteins playing a key role in the regulation of lysosomal positioning which is important for nutrient sensing, natural killer cell-mediated cytotoxicity and antigen presentation. Along with its effectors, orchestrates lysosomal transport and fusion. Localizes specifically to lysosomal membranes and mediates anterograde lysosomal motility by recruiting PLEKHM2, which in turn recruits the motor protein kinesin-1 on lysosomes. Required for lysosomal and cytolytic granule exocytosis. Critical factor involved in NK cell-mediated cytotoxicity. Drives the polarization of cytolytic granules and microtubule-organizing centers (MTOCs toward the immune synapse between effector NK lymphocytes and target cells. In neurons, mediates the anterograde axonal long-range transport of presynaptic lysosome-related vesicles required for presynaptic biogenesis and synaptic function (By similarity. Also acts as a regulator of endosome to lysosome trafficking pathways of special significance for host defense. Regulates cargo trafficking to lysosomes by binding to PLEKHM1 and recruiting the HOPS subunit VPS41, resulting in functional assembly of the HOPS complex on lysosomal membranes. Plays an important role in cargo delivery to lysosomes for antigen presentation and microbial killing.
基因ID	55207
基因名	ARL8B
Swiss	Q9NVJ2 (https://www.uniprot.org/uniprotkb/Q9NVJ2/entry)
别名	ARL8B,ARL10C,Gie1,ARL8B Rabbit pAb,ADP-ribosylation factor-like protein 10C,Novel small G protein indispensable for equal chromosome segregation 1

产品验证



Western blot analysis of ARL8B expressed in Mouse brain,U-87MG,LO2 using ARL8B Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

实验步骤

访问官网浏览详情: www.ablybio.cn (<https://www.ablybio.cn/www.ablybio.cn>)