

产品名称: Rab 3 GAP p150 Rabbit Polyclonal Antibody
产品货号: AP Rab16750



产品概述 (Summary)

产品名称 (Production Name)	Rab 3 GAP p150 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat,Monkey

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	RAB3GAP2 RAB3GAP2; KIAA0839; Rab3 GTPase-activating protein non-catalytic subunit;
别名 (Alternative Names)	RGAP-iso; Rab3 GTPase-activating protein 150 kDa subunit; Rab3-GAP p150; Rab3-GAP150; Rab3-GAP regulatory subunit
基因 ID (Gene ID)	25782.0
蛋白 ID (SwissProt ID)	Q9H2M9.The antiserum was produced against synthesized peptide derived from human RAB3GAP2. AA range:417-466

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	156kDa

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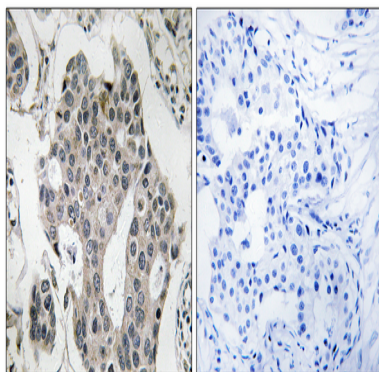
研究背景 (Background)

The protein encoded by this gene belongs to the RAB3 protein family, members of which are involved in regulated exocytosis of neurotransmitters and hormones. This protein forms the Rab3 GTPase-activating complex with RAB3GAP1, where it constitutes the regulatory subunit, whereas the latter functions as the catalytic subunit. This gene has the highest level of expression in the brain, consistent with it having a key role in neurodevelopment. Mutations in this gene are associated with Martsolf syndrome.[provided by RefSeq, Oct 2009],disease:Defects in RAB3GAP2 are the cause of Martsolf syndrome [MIM:212720]. Martsolf syndrome is characterized by congenital cataracts, mental retardation, and hypogonadism. Inheritance is autosomal recessive.,function:Regulatory subunit of a GTPase activating protein that has specificity for Rab3 subfamily (RAB3A, RAB3B, RAB3C and RAB3D). Rab3 proteins are involved in regulated exocytosis of neurotransmitters and hormones. Rab3 GTPase-activating complex specifically converts active Rab3-GTP to the inactive form Rab3-GDP. Required for normal eye and brain development. May participate in neurodevelopmental processes such as proliferation, migration and differentiation before synapse formation, and non-synaptic vesicular release of neurotransmitters.,similarity:Belongs to the Rab3-GAP regulatory subunit family.,subcellular location:In neurons, it is enriched in the synaptic soluble fraction.,subunit:The Rab3 GTPase-activating complex is a heterodimer composed of RAB3GAP and RAB3-GAP150. The Rab3 GTPase-activating complex interacts with DMXL2.,tissue specificity:Ubiquitous.,

研究领域 (Research Area)

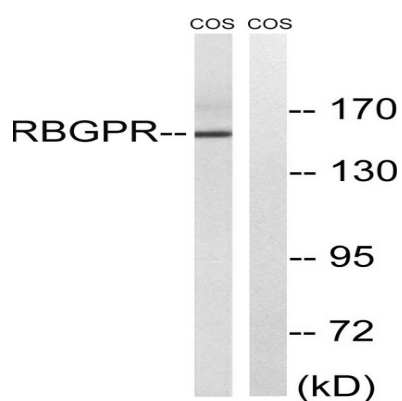
Neuroscience; Neurotransmission; Secretory Vesicles; Rabs; Signal Transduction; Signaling Pathway; G Protein Signaling; Small G Proteins; Regulators; Protein Trafficking; Vesicle Transport; Regulation; Neurology process; Neurogenesis; Developmental Biology; Organogenesis; Nervous system development

图片 (Image Data)

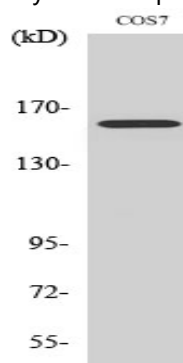


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using RAB3GAP2 Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from COS cells, using RAB3GAP2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Rab 3 GAP p150 Polyclonal Antibody

注意事项 (Note)

For research use only .