

Anti-RASGRF2 antibody ab121577

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概述	
产品名称	Anti-RASGRF2抗体
描述	兔多克隆抗体to RASGRF2
宿主	Rabbit
经测试应用	适用于: IHC-P, ICC/IF, WB
种属反应性	与反应: Human
免疫原	antigen, corresponding to internal sequence amino acids 702-807 of Human RASGRF2.
阳性对照	Human colon tissue; Human cell line A-431; Human liver, Human tonsil, RT-4, and U-251 MG cell lysates.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>
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: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG
应用	

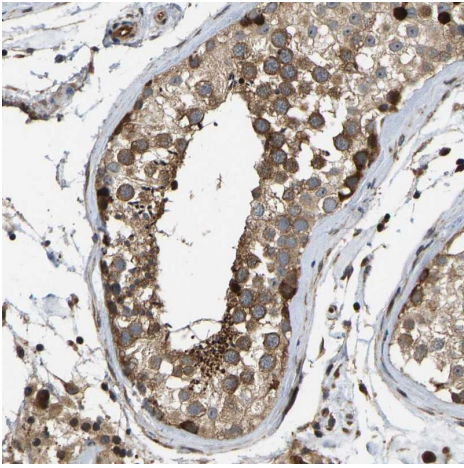
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Use buffer at pH 6 for antigen retrieval.
ICC/IF		Use a concentration of 1 - 4 µg/ml. Fixation/Permeabilization: PFA/Triton X-100
WB		1/250 - 1/500.

靶标

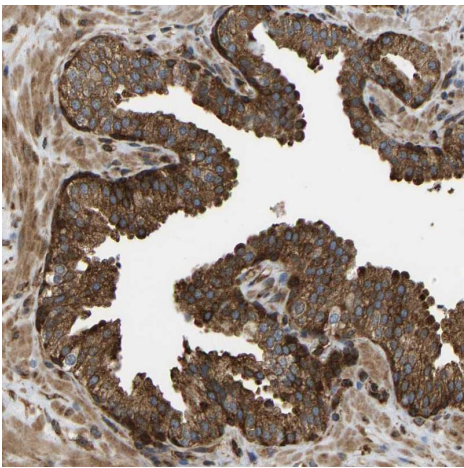
功能	Functions as a calcium-regulated nucleotide exchange factor activating both Ras and RAC1 through the exchange of bound GDP for GTP. Preferentially activates HRAS in vivo compared to RRAS based on their different types of prenylation. Functions in synaptic plasticity by contributing to the induction of long term potentiation.
组织特异性	Widely expressed with higher expression in brain, followed by heart, lung, pancreas and kidney. Detected in placenta. Expressed in brain and lung (at protein level).
序列相似性	Contains 1 DH (DBL-homology) domain. Contains 1 IQ domain. Contains 1 N-terminal Ras-GEF domain. Contains 2 PH domains. Contains 1 Ras-GEF domain.
结构域	The Ras-GEF domain and the N-terminal Ras-GEF domain form a Ras-binding site and mediate Ras activation. The IQ domain mediates the calcium-dependent interaction with calmodulin but is dispensable for the Ras-GEF activity. The DH (DBL-homology) domain mediates interaction with RASGRF1 and EPB49 and is required for RAC1 activation.
翻译后修饰	Phosphorylated by CDK5; down-regulates RASGRF2-mediated RAC1 activation. Ubiquitinated upon interaction with Ras. Ubiquitination leads to degradation through the 26S proteasome.
细胞定位	Cytoplasm. Cell membrane. Endoplasmic reticulum membrane. Translocates to membranes when activated. Found both at cell periphery and along the axon of neurons.

图片



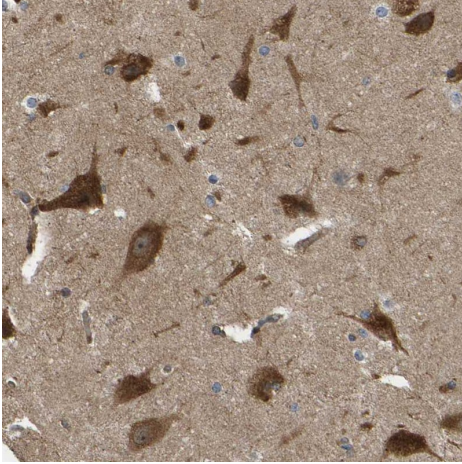
Immunohistochemical analysis of human testis tissue labelled for RASGRF2 using ab121577. Positive cytoplasmic staining is observed in cells in the seminiferous ducts.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RASGRF2 antibody (ab121577)



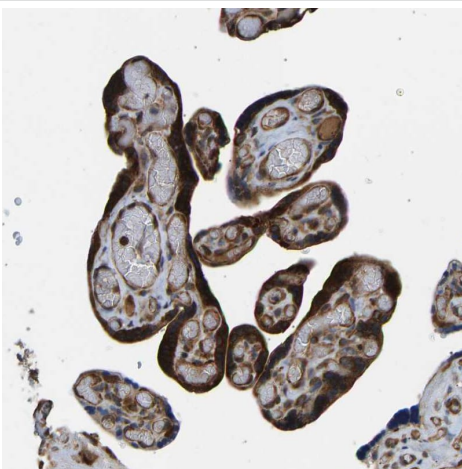
Immunohistochemical analysis of human prostate tissue labelled for RASGRF2 using ab121577. Positive cytoplasmic staining is observed in glandular cells.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RASGRF2 antibody (ab121577)



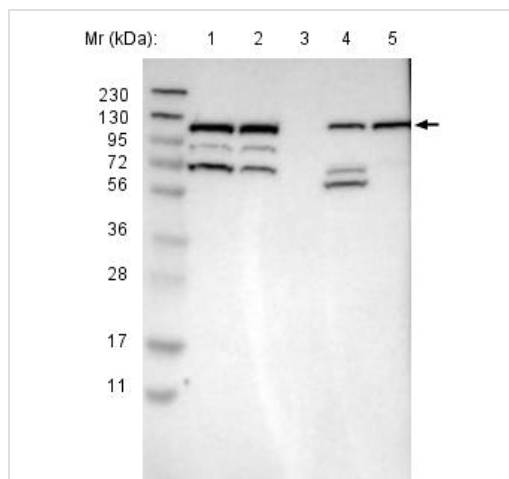
Immunohistochemical analysis of human cerebral cortex tissue labelled for RASGRF2 using ab121577. Positive cytoplasmic staining is observed in neuronal cells.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RASGRF2 antibody (ab121577)



Immunohistochemical analysis of human placenta tissue labelled for RASGRF2 using ab121577. Positive cytoplasmic staining is observed in trophoblastic cells.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RASGRF2 antibody (ab121577)



Western blot - Anti-RASGRF2 antibody (ab121577)

All lanes : Anti-RASGRF2 antibody (ab121577) at 1/250 dilution

Lane 1 : RT-4 cell lysate

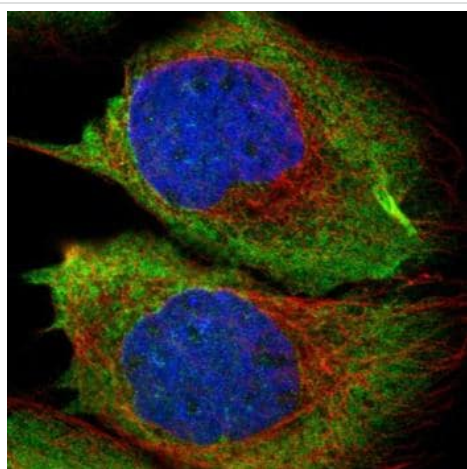
Lane 2 : U-251 MG cell lysate

Lane 3 : Human plasma

Lane 4 : Human liver lysate

Lane 5 : Human tonsil lysate

Developed using the ECL technique.



Immunocytochemistry/ Immunofluorescence - Anti-RASGRF2 antibody (ab121577)

ab121577, at 4 µg/ml, staining RASGRF2 in PFA/Triton X-100 treated Human cell line A-431 by immunofluorescence. ab121577 staining is shown in green.

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