

# Anti-FGD4 antibody ab97785

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### 概述

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<b>产品名称</b>	Anti-FGD4抗体
<b>描述</b>	兔多克隆抗体to FGD4
<b>宿主</b>	Rabbit
<b>经测试应用</b>	<b>适用于:</b> WB, IHC-P, ICC/IF
<b>种属反应性</b>	<b>与反应:</b> Human
<b>免疫原</b>	Recombinant fragment, corresponding to a sequence within amino acids 49-297 of Human FGD4 (NP_640334).
<b>阳性对照</b>	293T, A431, H1299, HeLa, HepG2, MOLT4 and Raji whole cell lysates; HeLa cells; SG xenograft tissue.
<b>常规说明</b>	<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&amp;As</p>

### 性能

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<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>存储溶液</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
<b>纯度</b>	Immunogen affinity purified
<b>克隆</b>	多克隆
<b>同种型</b>	IgG

### 应用

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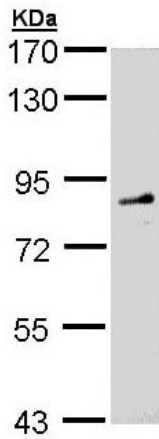
“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/500 - 1/3000. Predicted molecular weight: 87 kDa.
IHC-P		Use at an assay dependent concentration.
ICC/IF		1/100 - 1/200.

## 靶标

<b>功能</b>	Activates CDC42, a member of the Ras-like family of Rho-and Rac proteins, by exchanging bound GDP for free GTP. Plays a role in regulating the actin cytoskeleton and cell shape. Activates MAPK8.
<b>组织特异性</b>	Expressed in different tissues, including brain, cerebellum, peripheral nerve, skeletal muscle, heart, uterus, placenta and testis.
<b>疾病相关</b>	Charcot-Marie-Tooth disease 4H (CMT4H) [MIM:609311]: A recessive demyelinating form of Charcot-Marie-Tooth disease, a disorder of the peripheral nervous system, characterized by progressive weakness and atrophy, initially of the peroneal muscles and later of the distal muscles of the arms. Charcot-Marie-Tooth disease is classified in two main groups on the basis of electrophysiologic properties and histopathology: primary peripheral demyelinating neuropathies (designated CMT1 when they are dominantly inherited) and primary peripheral axonal neuropathies (CMT2). Demyelinating neuropathies are characterized by severely reduced nerve conduction velocities (less than 38 m/sec), segmental demyelination and remyelination with onion bulb formations on nerve biopsy, slowly progressive distal muscle atrophy and weakness, absent deep tendon reflexes, and hollow feet. By convention autosomal recessive forms of demyelinating Charcot-Marie-Tooth disease are designated CMT4. Note=The disease is caused by mutations affecting the gene represented in this entry.
<b>序列相似性</b>	Contains 1 DH (DBL-homology) domain. Contains 1 FYVE-type zinc finger. Contains 2 PH domains.
<b>结构域</b>	The part of the protein spanning the actin filament-binding domain together with the DH domain and the first PH domain is necessary and sufficient for microspike formation. Activation of MAPK8 requires the presence of all domains with the exception of the actin filament-binding domain.
<b>细胞定位</b>	Cytoplasm > cytoskeleton. Cell projection > filopodium. Concentrated in filopodia and poorly detected at lamellipodia. Binds along the sides of actin fibers.

## 图片

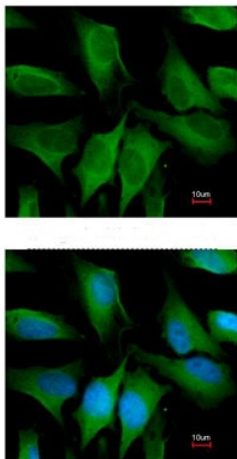


Western blot - Anti-FGD4 antibody (ab97785)

Anti-FGD4 antibody (ab97785) at 1/1000 dilution + MOLT4 whole cell lysate at 30  $\mu$ g

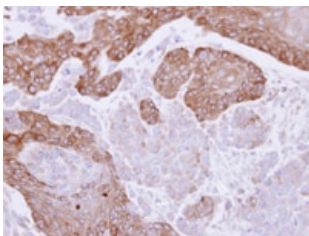
**Predicted band size:** 87 kDa

7.5% SDS-PAGE.



Immunocytochemistry/ Immunofluorescence - Anti-FGD4 antibody (ab97785)

ab97785 at 1/200 dilution staining FGD4 in HeLa cells by Immunofluorescence, Paraformaldehyde fixed. Lower image is merged with DNA probe.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FGD4 antibody (ab97785)

ab97785 at 1/100 dilution staining FGD4 in SG xenograft by Immunohistochemistry, Paraffin-embedded tissue.

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