


Anti-PDE4D (phospho S190) antibody ab59212

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概述

产品名称	Anti-PDE4D (phospho S190)抗体
描述	兔多克隆抗体to PDE4D (phospho S190)
宿主	Rabbit
经测试应用	适用于: IHC-P, WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Synthetic peptide corresponding to Human PDE4D aa 150-250 (phospho S190). (R-E-SP-F-L). Database link: Q08499
阳性对照	IHC-P: Human colon carcinoma tissue WB: K562 cell extracts treated with H ₂ O ₂ (100uM, 30mins).
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. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride
	Without Mg+2 and Ca+2
纯度	Immunogen affinity purified
纯化说明	ab59212 was affinity purified from rabbit antiserum by affinity chromatography using epitope specific phosphopeptide. The antibody against non phosphopeptide was removed by chromatography using non phosphopeptide corresponding to the phosphorylation site.

克隆

多克隆

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab59212于以下的经测试应用

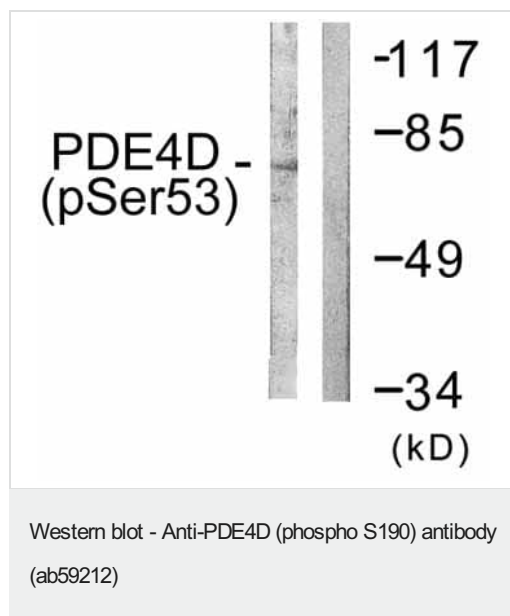
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		1/50 - 1/100.
WB		1/500 - 1/1000. Detects a band of approximately 75 kDa (predicted molecular weight: 91 kDa).

靶标

功能	Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes.
组织特异性	Widespread; most abundant in skeletal muscle. Isoform 6 is detected in brain. Isoform 8 is detected in brain, placenta, lung and kidney. Isoform 7 is detected in heart and skeletal muscle.
通路	Purine metabolism; 3',5'-cyclic AMP degradation; AMP from 3',5'-cyclic AMP: step 1/1.
疾病相关	Note=Genetic variations in PDE4D might be associated with susceptibility to stroke. PubMed:17006457 states that association with stroke has to be considered with caution.
序列相似性	Belongs to the cyclic nucleotide phosphodiesterase family. PDE4 subfamily.
翻译后修饰	Isoform 3 and isoform 7 are activated by phosphorylation (in vitro), but not isoform 6. Isoform N3 and isoform 12 are phosphorylated on Ser-49, Ser-51, Ser-55 and Ser-59.
细胞定位	Cytoplasm. Membrane. Cytoplasm > cytoskeleton. Cytoplasm > cytoskeleton > centrosome. Found in the soluble fraction, associated with membranes, and associated with the cytoskeleton and the centrosome.

图片



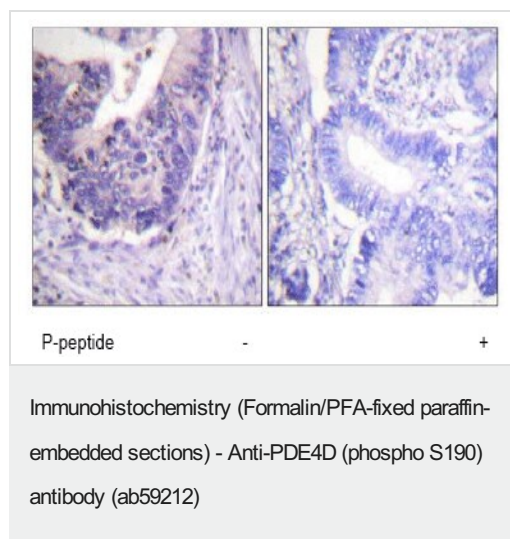
All lanes : Anti-PDE4D (phospho S190) antibody (ab59212) at 1/500 dilution

Lane 1 : K562 cell extract treated with H₂O₂ (100uM, 30mins)

Lane 2 : K562 cell extract treated with H₂O₂ (100uM, 30mins) with immunising peptide

Predicted band size: 91 kDa

Observed band size: 75 kDa



ab59212, at 1/50 dilution, staining PDE4D in paraffin embedded human colon carcinoma tissue by Immunohistochemistry in the absence or presence of the immunising peptide.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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