abcam

Product datasheet

Anti-AIMP2/p38 antibody ab125218

2 图像

概述

产品名称	Anti-AIMP2/p38抗体
描述	兔多克隆抗体to AIMP2/p38
宿主	Rabbit
经测试应用	**适用于:** WB, IHC-P
种属反应性	**与反应:** Rat, Human **预测可用于:** Mouse
免疫原	Synthetic peptide from internal sequence amino acids of Human AIMP2/p38.
阳性对照	Rat liver, lung, kidney, and brain lysates; Jurkat, CEM, HUT and U93T whole cell lysates.
常规说明	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. 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

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
存储溶液	Preservatives: 0.025% Thimerosal (merthiolate), 0.025% Sodium azide Constituents: 2.5% BSA, 0.45% Sodium chloride, 0.1% Dibasic monohydrogen sodium phosphate
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab125218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
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 35 kDa. The detection limit for ab125218 is 1ng/lane under non-reducing and reducing conditions.
IHC-P		Use a concentration of 1 µg/ml.

靶标

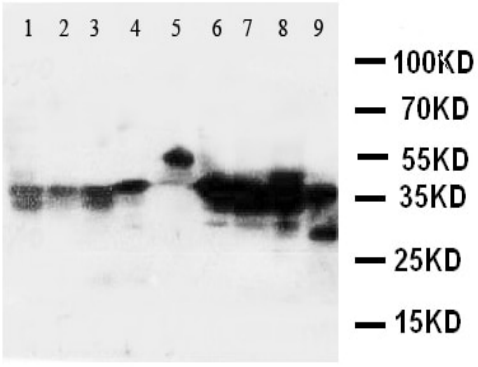
功能 Required for assembly and stability of the aminoacyl-tRNA synthase complex. Mediates ubiquitination and degradation of FUBP1, a transcriptional activator of MYC, leading to MYC down-regulation which is required for aveolar type II cell differentiation. Blocks MDM2-mediated ubiquitination and degradation of p53/TP53. Functions as a proapoptotic factor.

序列相似性 Contains 1 GST C-terminal domain.

翻译后修饰 Phosphorylated on serine residues in response to UV irradiation.
Ubiquitinated by PARK2, leading to its degradation by the proteasome. Mutant PARK2 fails to ubiquitinate AIMP2 efficiently, allowing its accumulation which may contribute to neurodegeneration associated with Parkinson disease.

细胞定位 Cytoplasm > cytosol. Nucleus. Following DNA damage, dissociates from the aminoacyl-tRNA synthase complex and translocates from the cytoplasm to the nucleus.

图片

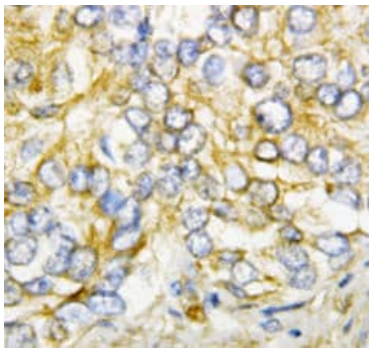


Western blot - Anti-AIMP2/p38 antibody (ab125218)

All lanes : Anti-AIMP2/p38 antibody (ab125218) at 1 µg/ml

Lane 1 : Rat liver tissue lysate
Lane 2 : Rat lung tissue lysate
Lane 3 : Rat kidney tissue lysate
Lane 4 : Rat brain tissue lysate
Lane 5 : Rabbit IgG (55kDa)
Lane 6 : Jurkat whole cell lysate
Lane 7 : CEM whole cell lysate
Lane 8 : HUT whole cell lysate
Lane 9 : U93T whole cell lysate

Predicted band size: 35 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AIMP2/p38 antibody (ab125218)

ab125218 at 1ug/ml in paraffin embedded Human tumour tissue by immunohistochemistry.

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

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