


Product datasheet

Anti-AIMP2/p38 antibody ab125218

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Overview

Product name	Anti-AIMP2/p38 antibody
Description	Rabbit polyclonal to AIMP2/p38
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Rat, Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide from internal sequence amino acids of Human AIMP2/p38.
Positive control	Rat liver, lung, kidney, and brain lysates; Jurkat, CEM, HUT and U93T whole cell lysates.
General notes	<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>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	Preservatives: 0.025% Thimerosal (merthiolate), 0.025% Sodium azide Constituents: 2.5% BSA, 0.45% Sodium chloride, 0.1% Dibasic monohydrogen sodium phosphate
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab125218 in the following tested applications.

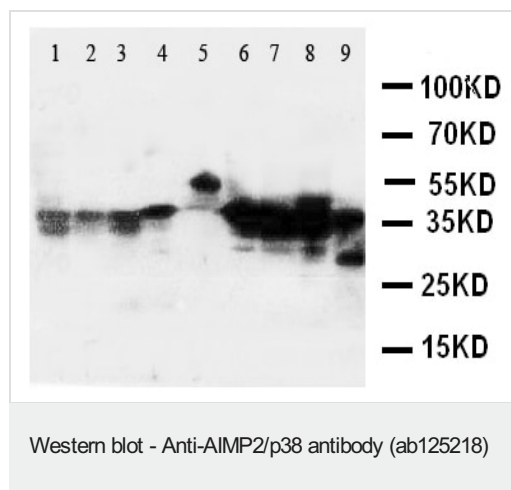
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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.

Target

Function	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.
Sequence similarities	Contains 1 GST C-terminal domain.
Post-translational modifications	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.
Cellular localization	Cytoplasm > cytosol. Nucleus. Following DNA damage, dissociates from the aminoacyl-tRNA synthase complex and translocates from the cytoplasm to the nucleus.

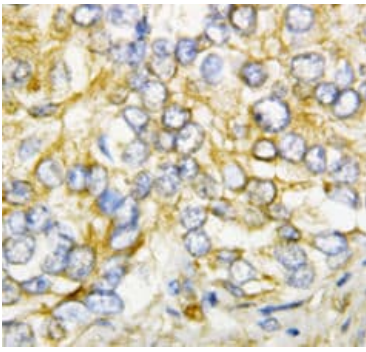
Images



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



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

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

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

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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