


Anti-Methionine Aminopeptidase 2/p67 antibody ab123523

画像数 2

製品の概要

製品名	Anti-Methionine Aminopeptidase 2/p67 antibody
製品の詳細	Rabbit polyclonal to Methionine Aminopeptidase 2/p67
由来種	Rabbit
アプリケーション	適用あり: WB, IP
種交差性	交差種: Mouse, Human 交差が予測される動物種: Horse, Cow, Pig, Chimpanzee, Ferret, Rhesus monkey, Gorilla, Chinese hamster, Orangutan 
免疫原	Synthetic peptide corresponding to Human Methionine Aminopeptidase 2/p67 aa 100-150. Database link: NP_006829.1
ポジティブ・コントロール	HeLa, 293T, Jurkat, NIH3T3 whole cell lysates
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7 Preservative: 0.09% Sodium azide Constituent: 99% Tris citrate/phosphate
精製度	pH: 7-8 Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab123523の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/2000 - 1/10000. Predicted molecular weight: 52 kDa.
IP		Use at 2-10 µg/mg of lysate.

ターゲット情報

機能

Cotranslationally removes the N-terminal methionine from nascent proteins. The N-terminal methionine is often cleaved when the second residue in the primary sequence is small and uncharged (Met-Ala-, Cys, Gly, Pro, Ser, Thr, or Val). The catalytic activity of human METAP2 toward Met-Val peptides is consistently two orders of magnitude higher than that of METAP1, suggesting that it is responsible for processing proteins containing N-terminal Met-Val and Met-Thr sequences in vivo.

Protects eukaryotic initiation factor EIF2S1 from translation-inhibiting phosphorylation by inhibitory kinases such as EIF2AK2/PKR and EIF2AK1/HCR. Plays a critical role in the regulation of protein synthesis.

配列類似性

Belongs to the peptidase M24A family. Methionine aminopeptidase eukaryotic type 2 subfamily.

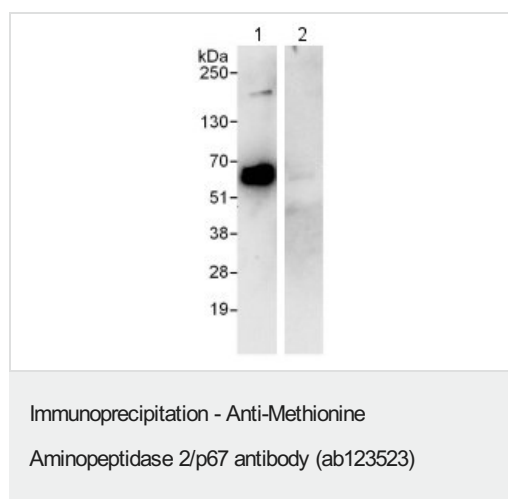
翻訳後修飾

Contains approximately 12 O-linked N-acetylglucosamine (GlcNAc) residues. O-glycosylation is required for EIF2S1 binding.

細胞内局在

Cytoplasm. About 30% of expressed METAP2 associates with polysomes.

画像

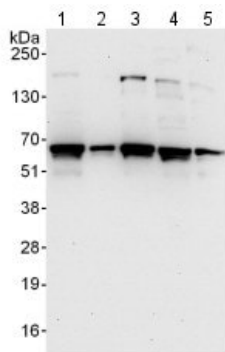


Detection of Methionine Aminopeptidase 2/p67 by Western Blot of Immunoprecipitate.

Lane 1: ab123523 at 1µg/ml staining Methionine Aminopeptidase 2/p67 in HeLa whole cell lysate immunoprecipitated using ab123523 at 6µg/mg lysate (1 mg/IP; 20% of IP loaded/lane).

Lane 2: Control IgG

Detection: Chemiluminescence with exposure time of 10 seconds.



Western blot - Anti-Methionine Aminopeptidase 2/p67 antibody (ab123523)

All lanes : Anti-Methionine Aminopeptidase 2/p67 antibody (ab123523) at 0.1 µg/ml

Lane 1 : HeLa whole cell lysate at 50 µg

Lane 2 : HeLa whole cell lysate at 15 µg

Lane 3 : 293T whole cell lysate at 50 µg

Lane 4 : Jurkat whole cell lysate at 50 µg

Lane 5 : NIH3T3 whole cell lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 52 kDa

Exposure time: 30 seconds

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