

Anti-ATIC antibody ab186725

1 References [画像数 4](#)

製品の概要

製品名	Anti-ATIC antibody
製品の詳細	Rabbit polyclonal to ATIC
由来種	Rabbit
アプリケーション	適用あり: ICC/IF, WB, IHC-P
種交差性	交差種: Human
免疫原	Recombinant full length protein corresponding to Human ATIC. Database link: <u>P31939</u>
ポジティブ・コントロール	Extracts from MCF7, SW480, H460, HepG2, SW620, HT29 and K562 cell lines.
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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 49% PBS, 50% Glycerol
精製度	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ab186725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
ICC/IF		Use at an assay dependent concentration.
WB		1/500 - 1/2000. Predicted molecular weight: 65 kDa.
IHC-P		1/50 - 1/200.

ターゲット情報

機能

Bifunctional enzyme that catalyzes 2 steps in purine biosynthesis.

パスウェイ

Purine metabolism; IMP biosynthesis via de novo pathway; 5-formamido-1-(5-phospho-D-ribosyl)imidazole-4-carboxamide from 5-amino-1-(5-phospho-D-ribosyl)imidazole-4-carboxamide (10-formyl THF route): step 1/1.

Purine metabolism; IMP biosynthesis via de novo pathway; IMP from 5-formamido-1-(5-phospho-D-ribosyl)imidazole-4-carboxamide: step 1/1.

関連疾患

Defects in ATIC are the cause of AICA-ribosuria [MIM:608688]; also known as AICA-ribosiduria. AICA-ribosuria is a neurologically devastating inborn error of purine biosynthesis. AICA-ribosuria patients excrete massive amounts of AICA-riboside in the urine and accumulate AICA-ribotide and its derivatives in erythrocytes and fibroblasts. AICA-ribosuria causes profound mental retardation, epilepsy, dysmorphic features and congenital blindness.

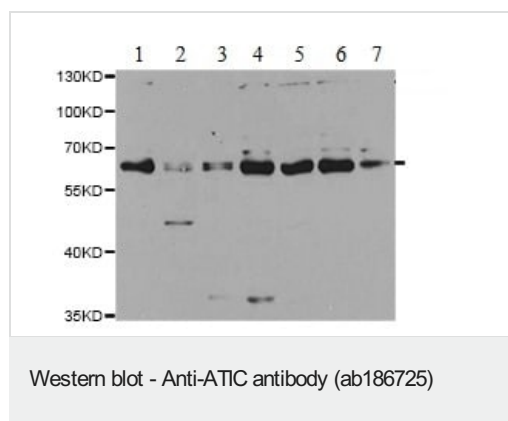
配列類似性

Belongs to the purH family.

ドメイン

The IMP cyclohydrolase activity resides in the N-terminal region.

画像



All lanes : Anti-ATIC antibody (ab186725) at 1/500 dilution

Lane 1 : Extract from MCF7 cell line.

Lane 2 : Extract from SW480 cell line.

Lane 3 : Extract from H460 cell line.

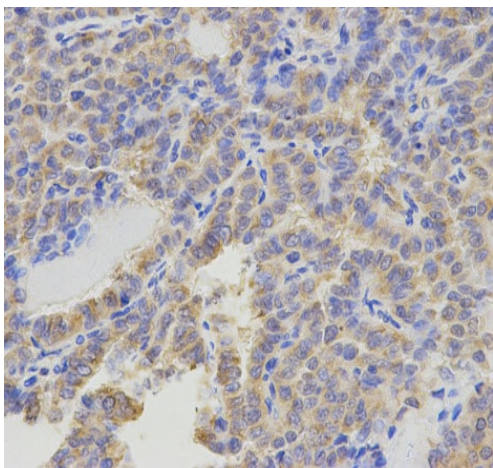
Lane 4 : Extract from HepG2 cell line.

Lane 5 : Extract from SW620 cell line.

Lane 6 : Extract from HT29 cell line.

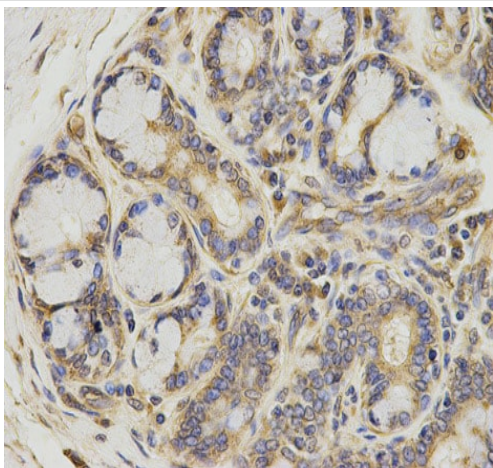
Lane 7 : Extract from K562 cell line.

Predicted band size: 65 kDa



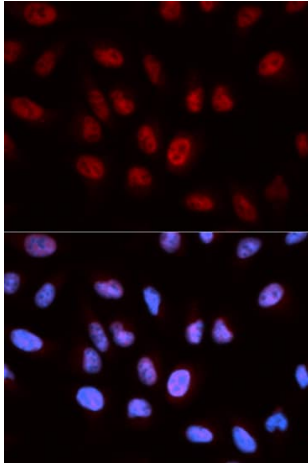
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human thyroid cancer tissue labelling ATIC with ab186725 at 1/200. Magnification: 400x.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATIC antibody (ab186725)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human esophagus tissue labelling ATIC with ab186725 at 1/200. Magnification: 400x.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATIC antibody (ab186725)



Immunocytochemistry/Immunofluorescence analysis of U2OS cells using ab186725. Blue DAPI for nuclear staining.

Immunocytochemistry/ Immunofluorescence - Anti-ATIC antibody (ab186725)

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