


Anti-PTS/PTPS antibody ab96104

★★★★★ 1 Abreviews 両俵数 6

医薬用外劇物

製品の概要

製品名	Anti-PTS/PTPS antibody
製品の詳細	Rabbit polyclonal to PTS/PTPS
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P, ICC/IF
種交差性	交差種: Mouse, Human 交差が予測される動物種: Rat 
免疫原	Recombinant fragment corresponding to Human PTS/PTPS aa 1-111. Database link: NP_000308
ポジティブ・コントロール	WB: Transfected HEK-293T and HeLa cells, H1299 cells and mouse stomach tissue lysate. IHC-P: Human hepatoma tissue; IF: HeLa cells.
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 or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
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ab96104の使用に適用されます

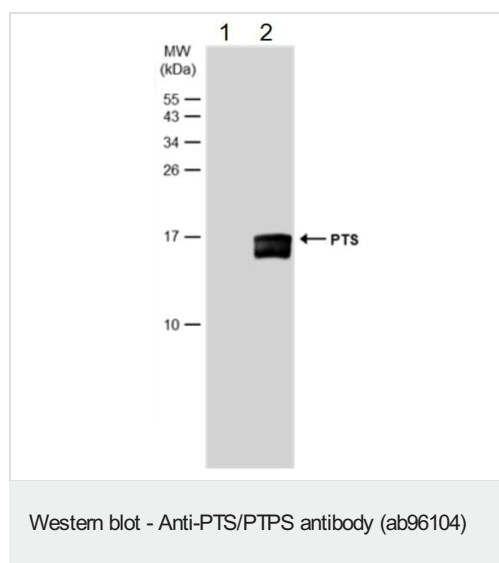
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	1/500 - 1/3000. Predicted molecular weight: 16 kDa.
IHC-P		1/100 - 1/1000.
ICC/IF		1/100 - 1/1000.

ターゲット情報

機能	Involved in the biosynthesis of tetrahydrobiopterin, an essential cofactor of aromatic amino acid hydroxylases. Catalyzes the transformation of 7,8-dihydroneopterin triphosphate into 6-pyruvoyl tetrahydropterin.
パスウェイ	Cofactor biosynthesis; tetrahydrobiopterin biosynthesis; tetrahydrobiopterin from 7,8-dihydroneopterin triphosphate: step 1/3.
関連疾患	Defects in PTS are the cause of BH4-deficient hyperphenylalaninemia type A (HPABH4A) [MIM:261640]; also called 6-pyruvoyl-tetrahydropterin synthase deficiency (PTS deficiency) or hyperphenylalaninemia tetrahydrobiopterin-deficient due to PTS deficiency. HPABH4A is an autosomal recessive disorder characterized by depletion of the neurotransmitters dopamine and serotonin, and clinically by severe neurological symptoms unresponsive to the classic phenylalanine-low diet.
配列類似性	Belongs to the PTPS family.
翻訳後修飾	Phosphorylation of Ser-19 is required for maximal enzyme activity.

画像



All lanes : Anti-PTS/PTPS antibody (ab96104) at 1/5000 dilution

Lane 1 : Non-transfected HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

Lane 2 : Transfected HEK-293T whole cell lysate

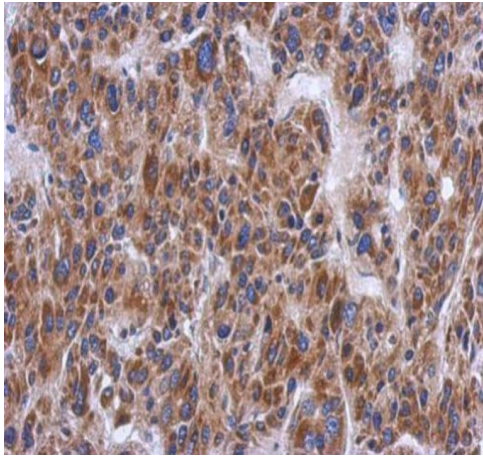
Lysates/proteins at 30 µg per lane.

Secondary

All lanes : HRP-conjugated anti-rabbit IgG antibody

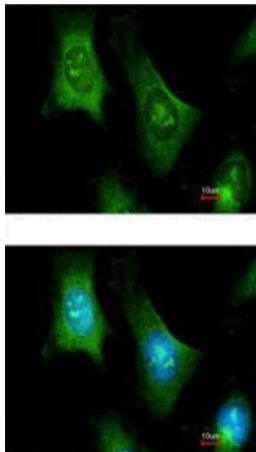
Predicted band size: 16 kDa

15% SDS-PAGE



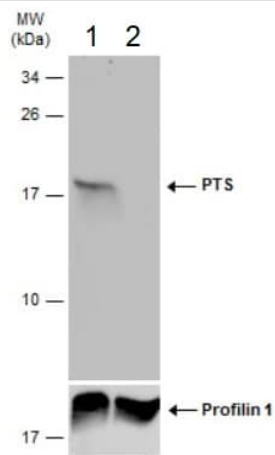
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PTS/PTPS antibody (ab96104)

Immunohistochemical analysis of paraffin-embedded human hepatoma tissue staining PTS with ab96104 at 1/500 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15min.



Immunocytochemistry/ Immunofluorescence - Anti-PTS/PTPS antibody (ab96104)

Immunofluorescence analysis of methanol-fixed HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell labeling PTS (green) with ab96104 at 1/100 dilution. Costained with Hoechst 33342 (Bottom Panel).



Western blot - Anti-PTS/PTPS antibody (ab96104)

All lanes : Anti-PTS/PTPS antibody (ab96104) at 1/500 dilution

Lane 1 : WT HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lane 2 : PTS/PTPS Knockout HeLa cell lysate

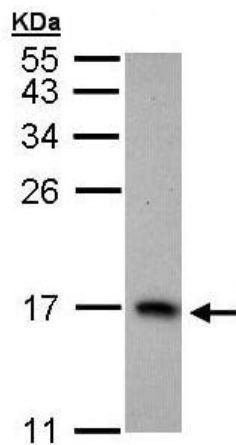
Lysates/proteins at 30 µg per lane.

Secondary

All lanes : HRP-conjugated anti-rabbit IgG

Predicted band size: 16 kDa

15% SDS-PAGE

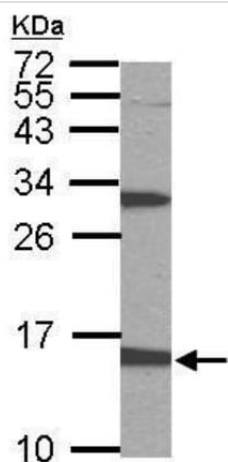


Western blot - Anti-PTS/PTPS antibody (ab96104)

Anti-PTS/PTPS antibody (ab96104) at 1/1000 dilution + H1299 (human non-small cell lung carcinoma cell line) whole cell lysate at 30 µg

Predicted band size: 16 kDa

15% SDS PAGE



Western blot - Anti-PTS/PTPS antibody (ab96104)

Anti-PTS/PTPS antibody (ab96104) at 1/1000 dilution + Mouse stomach tissue lysate at 50 µg

Predicted band size: 16 kDa

15% SDS PAGE

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