

Anti-PTS/PTPS (phospho S19) antibody [EPR1517(2)] - BSA and Azide free ab247873

リコンビナント RabMAb

画像数 4

製品の概要

製品名	Anti-PTS/PTPS (phospho S19) antibody [EPR1517(2)] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR1517(2)] to PTS/PTPS (phospho S19) - BSA and Azide free
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P, ICC/IF 適用なし: Flow Cyt
種交差性	交差種: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
特記事項	<p>ab247873 is the carrier-free version of ab109462.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with</p>

these species. Please contact us for more information.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR1517(2)
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ab247873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		Use at an assay dependent concentration. Detects a band of approximately 17 kDa (predicted molecular weight: 16 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. For antigen retrieval, heat up to 98 degree C, below boiling, and then let cool for 10-20 minutes.
ICC/IF		Use at an assay dependent concentration.

追加情報 Is unsuitable for Flow Cyt.

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.

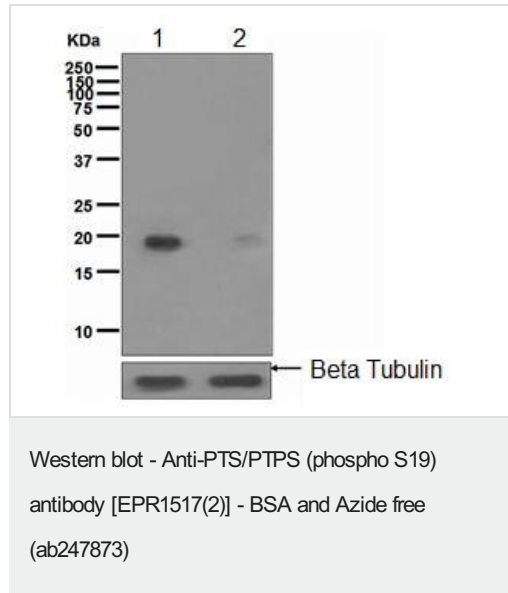
配列類似性

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 (phospho S19) antibody [EPR1517(2)] ([ab109462](#)) at 1/1000 dilution

Lane 1 : HUVEC cell lysate

Lane 2 : HUVEC cell lysate treated with Alkaline Phosphatase

Lysates/proteins at 10 µg per lane.

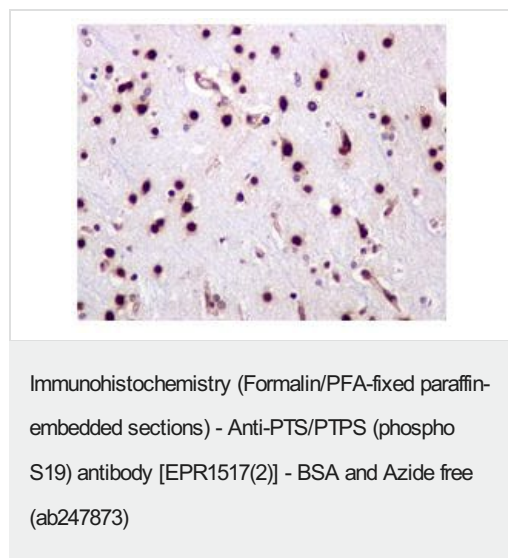
Secondary

All lanes : HRP-labelled goat anti-rabbit at 1/2000 dilution

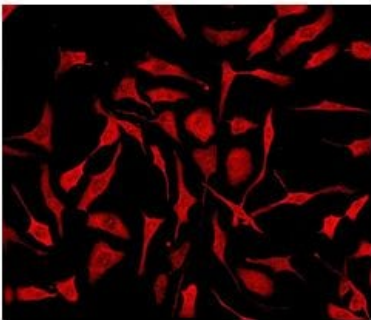
Predicted band size: 16 kDa

Observed band size: 17 kDa

This data was developed using [ab109462](#), the same antibody clone in a different buffer formulation.



This data was developed using [ab109462](#), the same antibody clone in a different buffer formulation. [ab109462](#), at a 1/250 dilution, staining PTS/PTPS (phospho S19) in paraffin embedded Human brain tissue by Immunohistochemistry. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-PTS/PTPS (phospho S19) antibody [EPR1517(2)] - BSA and Azide free (ab247873)

This data was developed using **ab109462**, the same antibody clone in a different buffer formulation. **ab109462**, at a 1/250 dilution, staining PTS/PTPS (phospho S19) in HeLa cells by Immunofluorescence.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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

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