

Product datasheet

Anti-PTS antibody [AT2B2] ab106636

画像数 1

製品の概要

製品名	Anti-PTS antibody [AT2B2]
製品の詳細	Mouse monoclonal [AT2B2] to PTS
由来種	Mouse
アプリケーション	適用あり: WB, ELISA
種交差性	交差種: Mouse, Human
免疫原	Recombinant full length protein, corresponding to amino acids 1-145 of Human PTS purified from E. coli (NP_000308).
ポジティブ・コントロール	Mouse Kidney lysates

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	Preservative: 0.1% Sodium Azide Constituents: PBS, pH 7.4
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	AT2B2
アイソタイプ	IgG2b
軽鎖の種類	lambda

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab106636** in the following tested applications.

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

アプリケーション	Abreviews	特記事項
WB		1/250 - 1/1000. Predicted molecular weight: 16 kDa.

アプリケーション	Abreviews	特記事項
ELISA		Use at an assay dependent dilution.

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 antibody [AT2B2] (ab106636) at 1/500 dilution

Lane 1 : Mouse kidney lysate at 40 µg

Lane 2 : Recombinant protein at 1 µg

Lane 3 : Recombinant protein at 0.5 µg

Secondary

All lanes : goat anti-mouse secondary antibody conjugated to HRP

Developed using the ECL technique.

Predicted band size: 16 kDa

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