




### Anti-PRODH antibody ab48001

#### 1 References

#### 製品の概要

製品名	Anti-PRODH antibody
製品の詳細	Goat polyclonal to PRODH
由来種	Goat
アプリケーション	<b>適用あり:</b> IHC-P
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Mouse 
免疫原	Synthetic peptide: C-ERDGS GTNKRDKQYQ , corresponding to internal sequence amino acids 84-98 of Human PRODH <div>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a> </div>
ポジティブ・コントロール	Human Brain 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&amp;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: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
精製度	Immunogen affinity purified
特記事項 (精製)	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
ポリ/モノ	ポリクローナル

## 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ab48001の使用に適用されます  
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アプリケーション	Abreviews	特記事項
IHC-P		Use a concentration of 3 - 6 µg/ml.

## ターゲット情報

機能	Converts proline to delta-1-pyrroline-5-carboxylate.
組織特異性	Expressed in lung, skeletal muscle and brain, to a lesser extent in heart and kidney, and weakly in liver, placenta and pancreas.
パスウェイ	Amino-acid degradation; L-proline degradation into L-glutamate; L-glutamate from L-proline: step 1/2.
関連疾患	Defects in PRODH are the cause of hyperprolinemia type 1 (HP-1) [MIM:239500]. HP-1 is a disorder characterized by elevated serum proline levels. May be involved in the psychiatric and behavioral phenotypes associated with the 22q11 velocardiofacial and DiGeorge syndrome. Defects in PRODH are associated with susceptibility to schizophrenia type 4 (SCZD4) [MIM:600850]. A complex, multifactorial psychotic disorder or group of disorders characterized by disturbances in the form and content of thought (e.g. delusions, hallucinations), in mood (e.g. inappropriate affect), in sense of self and relationship to the external world (e.g. loss of ego boundaries, withdrawal), and in behavior (e.g. bizarre or apparently purposeless behavior). Although it affects emotions, it is distinguished from mood disorders in which such disturbances are primary. Similarly, there may be mild impairment of cognitive function, and it is distinguished from the dementias in which disturbed cognitive function is considered primary. Some patients manifest schizophrenic as well as bipolar disorder symptoms and are often given the diagnosis of schizoaffective disorder.
配列類似性	Belongs to the proline oxidase family.
細胞内局在	Mitochondrion matrix.

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

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