abcam

Product datasheet

Anti-Glucose 6 Phosphate Dehydrogenase antibody ab106810

2 References 画像数1

製品の概要

製品名 Anti-Glucose 6 Phosphate Dehydrogenase antibody

製品の詳細 Goat polyclonal to Glucose 6 Phosphate Dehydrogenase

由来種 Goat

特異性 ab106810 is expected to recognise isoforms NP 000393.4 and NP 001035810.1.

アプリケーション 適用あり: WB, IHC-P

種交差性 交差種: Human

交差が予測される動物種: Rat, Sheep, Dog 🔷

Synthetic peptide corresponding to Human Glucose 6 Phosphate Dehydrogenase aa 308-320

(internal sequence).

Sequence:

C-STNSDDVRDEKVK

Database link: NP 000393.4 (Peptide available as ab196304)

Run BLAST with

Run BLAST with

ポジティブ・コントロール

特記事項

免疫原

WB: Human testis, thyroid and tonsil tissue lysates.

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.

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

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) ab106810 is 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

アイソタイプ IgG

アプリケーション

The Abpromise guarantee <u>Abpromise保証は、</u>次のテスト済みアプリケーションにおけるab106810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 a concentration of 0.03 - 0.1 µg/ml. Predicted molecular weight: 59 kDa. 1 hour primary incubation is recommended for this product.
IHC-P		Use a concentration of 2 - 4 μ g/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

ターゲット情報

機能 Catalyzes the rate-limiting step of the oxidative pentose-phosphate pathway, which represents a

 $route \ for \ the \ dissimilation \ of \ carbohydrates \ besides \ glycolysis. \ The \ main \ function \ of \ this \ enzyme \ is$

to provide reducing power (NADPH) and pentose phosphates for fatty acid and nucleic acid

synthesis.

組織特異性 Isoform Long is found in lymphoblasts, granulocytes and sperm.

パスウェイ Carbohydrate degradation; pentose phosphate pathway; D-ribulose 5-phosphate from D-glucose

6-phosphate (oxidative stage): step 1/3.

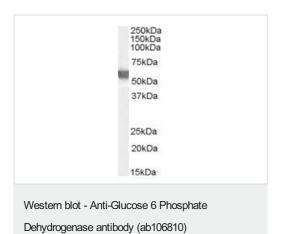
関連疾患 Anemia, non-spherocytic hemolytic, due to G6PD deficiency

配列類似性 Belongs to the glucose-6-phosphate dehydrogenase family.

翻訳後修飾 Acetylated by ELP3 at Lys-403; acetylation inhibits its homodimerization and enzyme activity.

Deacetylated by SIRT2 at Lys-403; deacetylation stimulates its enzyme activity.

画像



Anti-Glucose 6 Phosphate Dehydrogenase antibody (ab106810) at 0.03 μg/ml + Human testis tissue lysate in RIPA buffer at 35 μg

Developed using the ECL technique.

Predicted band size: 59 kDa **Observed band size:** 55-60 kDa

Primary incubation was 1 hour.

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