

Anti-Glycogen synthase 1/GYS1 (phospho S641) antibody [EP852Y] ab81230

リコンビナント **RabMAb**

★★★★★ **5 Abreviews** **11 References** 画像数 5

製品の概要

製品名	Anti-Glycogen synthase 1/GYS1 (phospho S641) antibody [EP852Y]
製品の詳細	Rabbit monoclonal [EP852Y] to Glycogen synthase 1/GYS1 (phospho S641)
由来種	Rabbit
アプリケーション	適用あり: Dot blot, WB, IHC-P 適用なし: Flow Cyt or ICC/IF
種交差性	交差種: Mouse, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Mouse muscle and Mouse muscle treated with AP lysates; HeLa and HeLa treated with insulin at 20 ug/mL for 15 minutes whole cell lysates. IHC: Human liver tissue.
特記事項	<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>Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</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. Avoid freeze / thaw cycle.
バッファー	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture</p>

	supernatant
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EP852Y
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ab81230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。

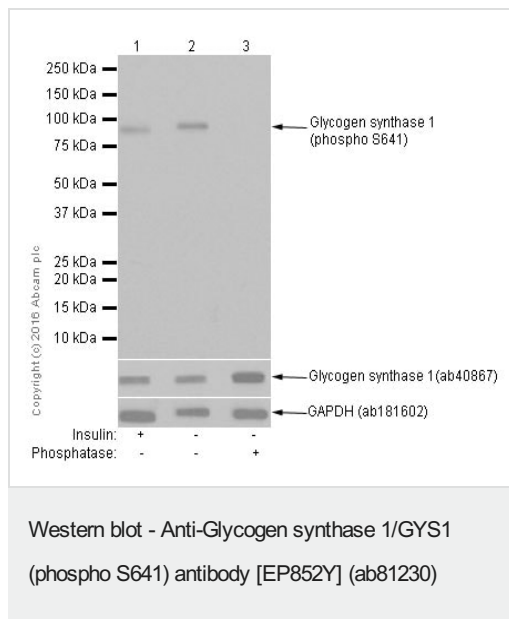
アプリケーション	Abreviews	特記事項
Dot blot		1/1000.
WB	★★★★★ (3)	1/2000 - 1/10000. Predicted molecular weight: 85 kDa.
IHC-P	★★★★★ (1)	1/100 - 1/250. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

追加情報 Is unsuitable for Flow Cyt or ICC/IF.

ターゲット情報

機能	Transfers the glycosyl residue from UDP-Glc to the non-reducing end of alpha-1,4-glucan.
パスウェイ	Glycan biosynthesis; glycogen biosynthesis.
関連疾患	Defects in GYS1 are the cause of muscle glycogen storage disease type 0 (GSD0b) [MIM:611556]; also known as muscle glycogen synthase deficiency. GSD0b is a metabolic disorder characterized by fasting hypoglycemia presenting in infancy or early childhood. The role of muscle glycogen is to provide critical energy during bursts of activity and sustained muscle work.
配列類似性	Belongs to the glycosyltransferase 3 family.

画像



All lanes : Anti-Glycogen synthase 1/GYS1 (phospho S641) antibody [EP852Y] (ab81230) at 1/2000 dilution

Lane 1 : HeLa (Human epithelial cell line from cervix adenocarcinoma) treated with insulin at 20 ug/mL for 15 minutes. Whole cell lysates

Lane 2 : Untreated HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysates

Lane 3 : Untreated HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysates. Then the membrane was incubated with phosphatase.

Lysates/proteins at 15 µg per lane.

Secondary

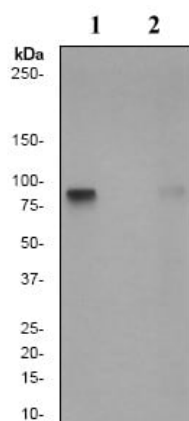
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 85 kDa

Observed band size: 85 kDa

Exposure time: 1 second

Blocking/Diluting buffer and concentration: 5% NFDM/TBST



Western blot - Anti-Glycogen synthase 1/GYS1 (phospho S641) antibody [EP852Y] (ab81230)

All lanes : Anti-Glycogen synthase 1/GYS1 (phospho S641) antibody [EP852Y] (ab81230) at 1/10000 dilution

Lane 1 : Mouse muscle tissue lysate, untreated

Lane 2 : Mouse muscle tissue lysate, treated with AP

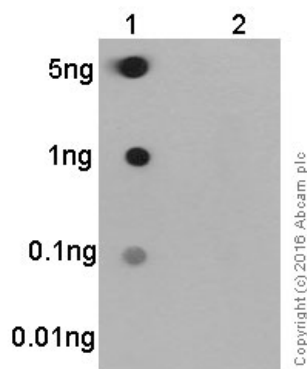
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labeled Goat anti-Rabbit at 1/2000 dilution

Predicted band size: 85 kDa

Observed band size: 85 kDa

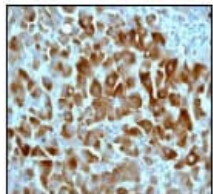


Dot Blot - Anti-Glycogen synthase 1/GYS1 (phospho S641) antibody [EP852Y] (ab81230)

Dot blot analysis of glycogen synthase 1/GYS1 (phospho S641) phospho peptide (Lane 1) and glycogen synthase 1/GYS1 non-phospho peptide (Lane 2) labeling synthase 1 (phospho S641) with ab81230 at a dilution of 1/1000. [ab97051](#) (Peroxidase conjugated goat anti-rabbit IgG) (H+L) at 1/100 000 was used as the secondary antibody.

Blocking and diluting buffer: 5% NFDm/TBST.

Exposure time: 3 minutes.



Immunohistochemical analysis of Human liver tissue, using 1/100 ab81230.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glycogen synthase 1/GYS1 (phospho S641) antibody [EP852Y] (ab81230)

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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