



Anti-GGA1 antibody ab10551

2 References [画像数 1](#)

製品の概要

製品名	Anti-GGA1 antibody
製品の詳細	Rabbit polyclonal to GGA1
由来種	Rabbit
特異性	The immunizing sequence is present only in isoform 1 of this protein, therefore cross-reactivity with splice variants is not expected.
アプリケーション	適用あり: WB
種交差性	交差種: Human
免疫原	Synthetic peptide: AMPTRPGEQASPEQPSA , corresponding to amino acids 336-352 of Human GGA1.
	 Run BLAST with  Run BLAST with
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&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 or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.88% Sodium chloride
精製度	Immunogen affinity purified
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 **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab10551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確認ください。

アプリケーション	Abreviews	特記事項
WB		1/500 - 1/3000. Predicted molecular weight: 70 kDa.

ターゲット情報

機能	Plays a role in protein sorting and trafficking between the trans-Golgi network (TGN) and endosomes. Mediates the ARF-dependent recruitment of clathrin to the TGN and binds ubiquitinated proteins and membrane cargo molecules with a cytosolic acidic cluster-dileucine (AC-LL) motif.
組織特異性	Ubiquitously expressed.
配列類似性	Belongs to the GGA protein family. Contains 1 GAE domain. Contains 1 GAT domain. Contains 1 VHS domain.
ドメイン	The VHS domain functions as a recognition module for sorting signals composed of an acidic cluster followed by two leucines (AC-LL motif). The GAT domain is responsible for interaction with ARF-GTP, UBC and RABEP1. Required for recruitment to the TGN it prevents ARF-GTP hydrolysis. The unstructured hinge region contains clathrin-binding but no autoinhibitory (AC-LL) motifs. The GAE domain binds accessory proteins regulating GGAs function.
翻訳後修飾	Phosphorylated by CK2 and dephosphorylated by PP2A. Phosphorylation of GGA1 allows the internal AC-LL motif to bind the VHS domain and to inhibit the recognition of cargo signals. Phosphorylated upon DNA damage, probably by ATM or ATR. Ubiquitinated.
細胞内局在	Golgi apparatus > trans-Golgi network membrane. Endosome membrane.

画像



Anti-GGA1 antibody (ab10551) at 1/1350 dilution + Lysate of HEK293 cells overexpressing YFP-GGA1 fusion protein at 35 µg/ml

Secondary

Goat-anti Rabbit IgG

Performed under reducing conditions.

Predicted band size: 70 kDa

Observed band size: 100 kDa

The lysate prepared from HEK293 cells overexpressing YFP-GGA1 fusion protein. This accounts for the observed band of 100 kDa.

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