abcam

Product datasheet

Anti-Rpt1 antibody ab21743

画像数 1

製品の概要

製品名	Anti-Rpt1 antibody
製品の詳細	Mouse polyclonal to Rpt1
由来種	Mouse
アプリケーション	**適用あり:** WB
種交差性	**交差種:** Saccharomyces cerevisiae
免疫原	Fusion protein: MPPKEDWEKYKAPLEDDDKKPDDDKIVPLTEGDIQVLKSYGA APYAAKLK QTENDLKDIEARIKEKAGVKESDTGLAPSHLWDIMGDRQRLG EEHPLQVA , corresponding to amino acids 75-174 of S. cerevisiae Rpt1. Run BLAST with Run BLAST with
特記事項	Produced from outbred CD1 mice This antibody was raised by a genetic immunization technique. Genetic immunization can be used to generate antibodies by directly delivering antigen-coding DNA into the animal, rather than injecting a protein or peptide (Tang *et al.* **PubMed: 1545867**; Chambers and Johnston **PubMed: 12910245**; Barry and Johnston **PubMed: 9234514**). The animal`s cells produce the protein, which stimulates the animal`s immune system to produce antibodies against that particular protein. A vector coding for a partial fusion protein was used for genetic immunisation of a mouse and the resulting serum was tested in Western blot against an *E.coli* lysate containing that partial fusion protein. Genetic immunization offers enormous advantages over the traditional protein-based immunization method. DNA is faster, cheaper and easier to produce and can be produced by standard techniques readily amenable to automation. Furthermore, the antibodies generated by genetic immunization are usually of superior quality with regard to specificity, affinity and recognizing the native protein.

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 long term.

バッファー	Constituent: 50% Glycerol
精製度	Whole antiserum
一次抗体 備考	This antibody was raised by a genetic immunization technique. Genetic immunization can be used to generate antibodies by directly delivering antigen-coding DNA into the animal, rather than injecting a protein or peptide (Tang *et al.* **PubMed: 1545867**; Chambers and Johnston **PubMed: 12910245**; Barry and Johnston **PubMed: 9234514**). The animal`s cells produce the protein, which stimulates the animal`s immune system to produce antibodies against that particular protein. A vector coding for a partial fusion protein was used for genetic immunisation of a mouse and the resulting serum was tested in Western blot against an *E.coli* lysate containing that partial fusion protein. Genetic immunization offers enormous advantages over the traditional protein-based immunization method. DNA is faster, cheaper and easier to produce and can be produced by standard techniques readily amenable to automation. Furthermore, the antibodies generated by genetic immunization are usually of superior quality with regard to specificity, affinity and recognizing the native protein.
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ab21743の使用に適用されます**

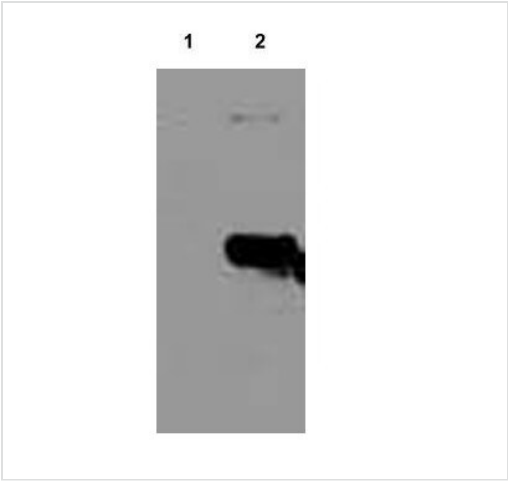
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/1000. Predicted molecular weight: 52 kDa. This antibody has been tested in Western blot against an *E.coli* lysate containing the partial recombinant fusion protein used as an immunogen. We have no data on detection of endogenous protein.

ターゲット情報

関連性	Rpt1 in yeast is one of six ATPases of the 19S regulatory particle of the 26S proteasome involved in the degradation of ubiquitinated substrates; required for optimal CDC20 transcription; interacts with Rpn12p and the E3 ubiquitin-protein ligase Ubr1p. In the yeast S. cerevisiae, 12 different members of a novel gene family of putative ATPases have been identified and characterised. Due to their relationship with TBP1, a human immunodeficiency tat binding protein, they have been designated the YTA family (yeast tat binding analogues). The most outstanding feature of the YTA proteins and their relatives is that they share a region of high similarity which extends to some 300 amino acids in length.
細胞内局在	Cytoplasmic and Nuclear

画像



Western blot - Anti-Rpt1 antibody (ab21743)

All lanes : Anti-Rpt1 antibody (ab21743) at 1/1000 dilution

Lane 1 : Total protein extract from E. coli with ~50ng to 100ng of a negative control fusion protein with an irrelevant antigen at 20 ug

Lane 2 : Total protein extract from E. coli with ~50ng to 500ng of the
antigen fusion protein at 20 ug

Secondary
All lanes : Rabbit anti-mouse IgG + IgM, (H+L) horseradish peroxidase conjugated at
1/5000 dilution

Performed under reducing conditions.

Predicted band size: 52 kDa

The molecular weight of the band on the western blot does not correspond to the predicted band size above (predicted from the molecular weight of the natural protein) because of the additional mass of the fusion and because the fusion protein only contains a partial fragment of the gene.

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