Datasheet for ABIN1724673

anti-GFP antibody

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Overview

Quantity:	100 µL
Target:	GFP
Reactivity:	Aequorea victoria
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GFP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of GFP expressed in E. coli.
Clone:	4B10B2
Isotype:	IgG2a
Purification:	purified

Target Details

Target:	GFP
Alternative Name:	GFP (GFP Products)
Background:	Description: GFP (Green fluorescence protein) is a 27 kDa protein derived from the jellyfish Aequorea victoria, which emits green light when excited by blue light. GFP cDNA produces a fluorescent product when expressed in prokaryotic cells, without the need for exogenous substrates or cofactors. GFP has become an invaluable tool in cell biology research, since its

Target Details

	intrinsic fluorescence can be visualized in living cells. GFP fluorescence is stable under fixation conditions and suitable for a variety of applications. GFP has been widely used as a reporter for gene expression, enabling researchers to visualize and localize GFP-tagged proteins within living cells without the need for chemical staining. Other applications of GFP include assessment of protein protein interactions through the yeast two hybrid system and measurement of distance between proteins through fluorescence energy transfer (FRET) protocols. GFP technnology has considerably contributed to a greater understanding of cellular physiology. Aliases: N/A
Molecular Weight:	27 kDa

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, FCM: 1:200 - 1:400
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified antibody in PBS containing 0.03 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

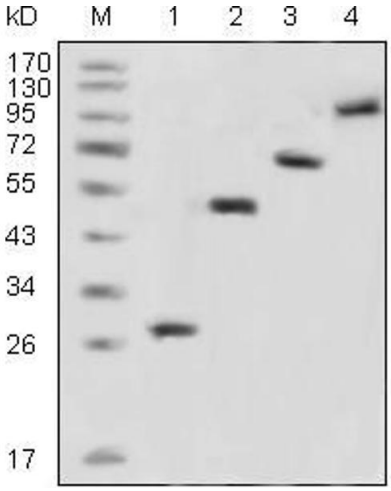
Publications

Product cited in:	Dittman, Kaplan: "Factors regulating the abundance and localization of synaptobrevin in the plasma membrane." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 103, Issue 30, pp. 11399-404, (2006) (PubMed). Cavalieri, Bernardo, Spinelli: "Regulatory sequences driving expression of the sea urchin Otp homeobox gene in oral ectoderm cells." in: **Gene expression patterns : GEP**, Vol. 7, Issue 1-2, pp. 124-30, (2006) (PubMed).

Publications

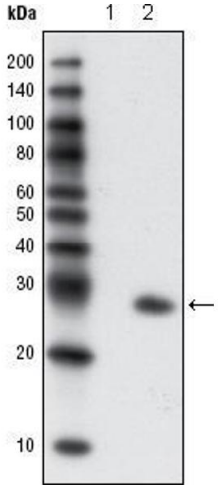
Arasada, Son, Ramalingam, Eichinger, Schleicher, Rohlfs: "Characterization of the Ste20-like kinase Krs1 of Dictyostelium discoideum." in: **European journal of cell biology**, Vol. 85, Issue 9-10, pp. 1059-68, (2006) (PubMed).

Images



Western Blotting

Image 1. Western blot analysis using GFP mouse mAb against recombinant GFP fusion protein (1) and various recombinant fusion protein with GFP tag (2, 3, 4).



Western Blotting

Image 2. Western blot analysis using GFP mouse mAb against extracts from HCC827 cells, untransfected (1) and transfected with GFP(2).

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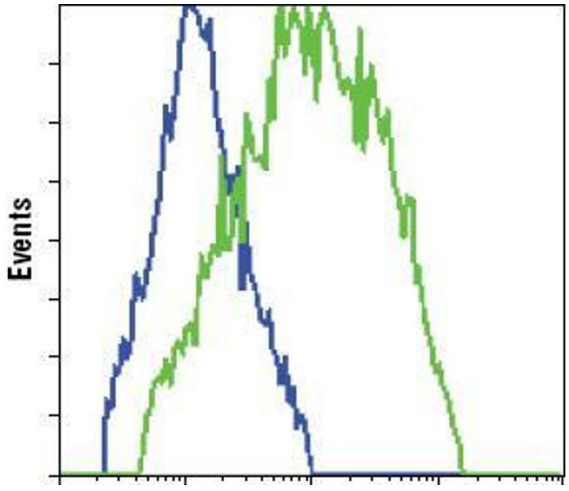

Flow Cytometry

Image 3. Flow cytometric analysis of HCC827 cells, untransfected (blue) or transfected with GFP (green), using GFP mouse mAb .

Please check the product details page for more images. Overall 4 images are available for ABIN1724673.

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