

Datasheet for ABIN1843725

anti-GFP antibody

5 Images

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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.
Isotype:	IgG2a
Purification:	Purified antibody

Target Details

Target:	GFP
Alternative Name:	GFP (GFP Products)
Background:	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 intrinsic fluorescence can be visualized in living cells. GFP fluorescence is stable under fixation

Target Details

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 technology has considerably contributed to a greater understanding of cellular physiology.

Molecular Weight: 27 kDa

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.0 mg/mL

Buffer: PBS containing 0.03 % sodium azide.

Preservative: Sodium azide

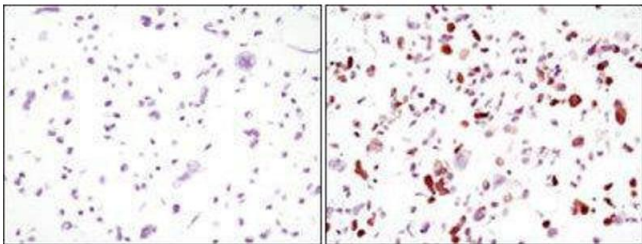
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

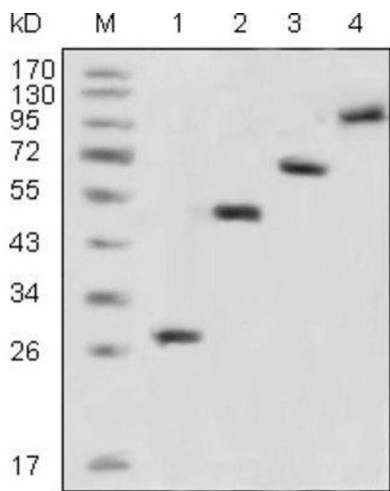
Immunohistochemistry

Image 1.



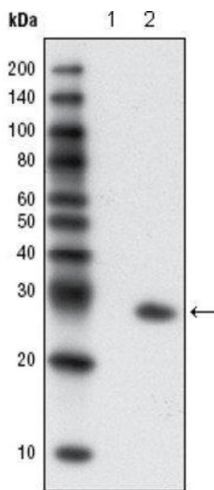
Western Blotting

Image 2.



Western Blotting

Image 3.



Please check the [product details page](#) for more images. Overall 5 images are available for ABIN1843725.