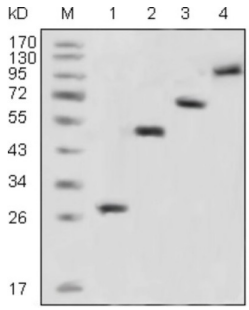
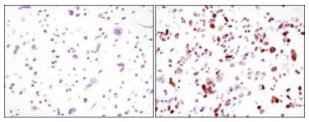
Green Fluorescent Protein (GFP) Antibody

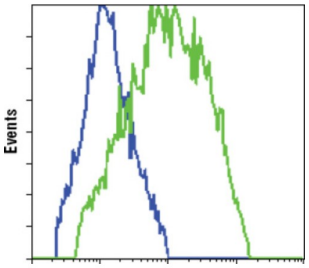
Catalogue No.:abx015749



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



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



Immunocytochemistry analysis of HCC827 cells, untransfected (left) or transfected with GFP (right) using GFP antibody.

Green Fluorescent Protein (GFP) Antibody is a Mouse Monoclonal antibody against GFP. GFP 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 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.

Target:	Green Fluorescent Protein (GFP)
Clonality:	Monoclonal
Reactivity:	General
Tested Applications:	ELISA, IHC, FCM

Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com

Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, IHC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of GFP expressed in E. coli.
Isotype:	IgG_{2a}
Form:	Liquid
Purification:	Purified from ascites by Protein G chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
Molecular Weight:	27 kDa
Buffer:	PBS, containing 0.03% sodium azide.
Concentration:	1 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com