



Catalog: OM153786

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# GFP Antibody (FL)

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## Product profile

Product name	GFP Antibody (FL)
Antibody Type	Tags Antibodies
Modification Notes	The green fluorescent protein (GFP) was originally identified as a protein involved in the bioluminescence of the jellyfish <i>Aequorea victoria</i> . GFP cDNA produces a fluorescent product when expressed in prokaryotic cells, without the need for exogenous substrates or cofactors, making GFP a useful tool for monitoring gene expression and protein localization in vivo. Several GFP mutants have been developed, including E-GFP, which fluoresce more intensely than the wildtype GFP and have shifted excitation maxima, making them useful for FACS and fluorescence microscopy as well as double-labeling applications. GFP is widely used in expression vectors as a fusion protein tag, allowing expression and monitoring of heterologous proteins fused to GFP.

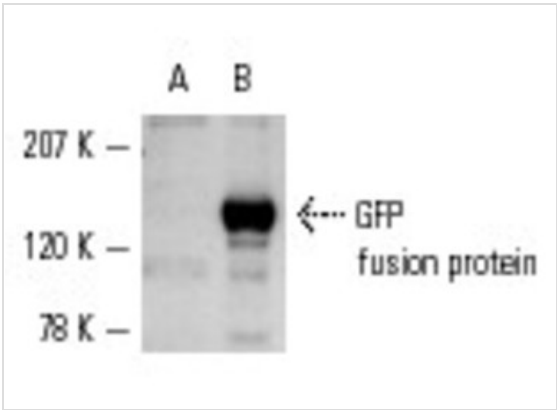
## Key Feature

Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	WB ,IP ,IF ,ELISA
Species Reactivity	Human Mouse Rat
Concentration	1mg/ml
Purification	Affinity purified

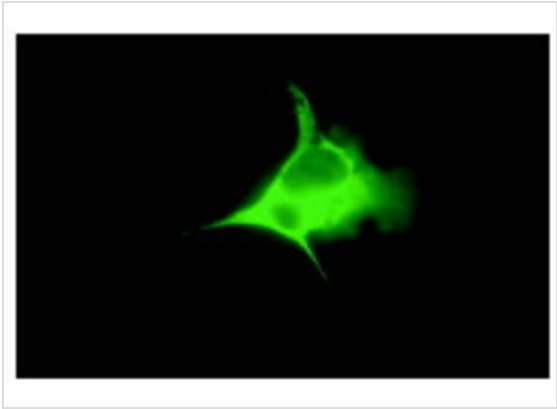
## Target Information

Alternative Names	epitope corresponding to amino acids 1-238 representing full length GFP (green fluorescent protein) of <i>Aequorea victoria</i> origin
Tissue Specificity	epitope corresponding to amino acids 1-238 representing full length GFP (green fluorescent protein) of <i>Aequorea victoria</i> origin

## Application



**Application**  
Western blot analysis of GFP fusion protein expression in non-transfected COS cells (A) and COS cells transfected with pCruz GFP-Lac Z: (B).



**Application**  
Fluorescence staining of methanol-fixed COS cells transfected with pCruz GFP-Lac Z: , showing GFP-Lac Z localization in the cytoplasm.

Application Notes	recommended for detection of GFP and GFP mutant fusion proteins by WB, IP, IF and ELISA:
<b>Additional Information</b>	
Form	Liquid
Storage Instructions	For short-term storage, store at 4° C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Storage Buffer	phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Note	The product is for research use only,not for use in diagnostic or therapeutic procedures.

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