

**Catalogue No.**

 AB0020-200  
 AB0020-500

**Qty:**

 400 µg  
 1 mg

## Anti-GFP

**Source:** Goat

**General description:** Goat polyclonal antibody to GFP (green fluorescent protein). GFP is a protein composed of 238 amino acid residues (26.9 kDa) that exhibits bright green fluorescence when exposed to blue light. In cell and molecular biology, the GFP protein is frequently used as a reporter of expression.

**Alternative names:** Green fluorescent protein antibody.

**Form:** Polyclonal antibody supplied as a 200 or 500 µl (2 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

**Immunogen:** Purified recombinant peptide produced in E. coli.

**Specificity:** In 293HEK cells transfected with cds plasmid detects a band of 27 kDa by Western blot. This antibody does recognize YFP and CFP and does not recognize RFP and mCherry fluorescent proteins.

**Reactivity:** Reacts with Transfected cells proteins

Sample	WB	IHC (F)	IHC (P)	IF	ELISA
Transfected cells	+++	+++	+++	+++	ND

+++ excellent, ++ good, + poor, ND not determined

**Usage:**

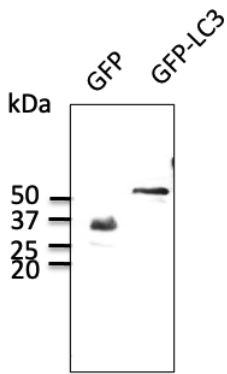
WB: 1:500-1:5,000  
 IF: 1:50-1:1,000  
 IHC (P): 1:50-1:1,000  
 IHC (F): 1:50-1:1,000

**Storage:** Store at -20 C for long-term storage. Store at 2-8 C for up to one month.

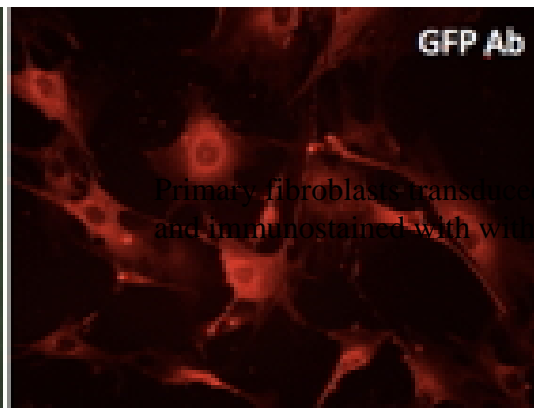
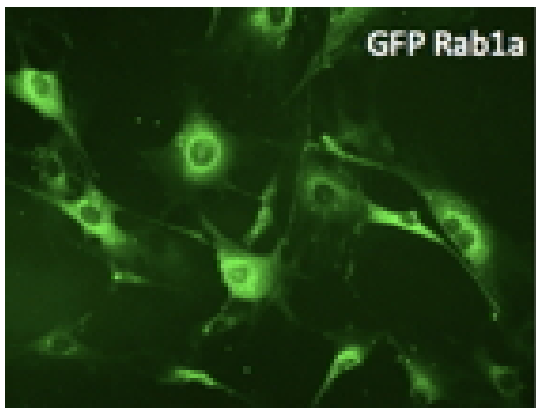
**Special instructions:** The antibody solution should be gently mixed before use. Avoid freeze/thaw cycles..

**References:**

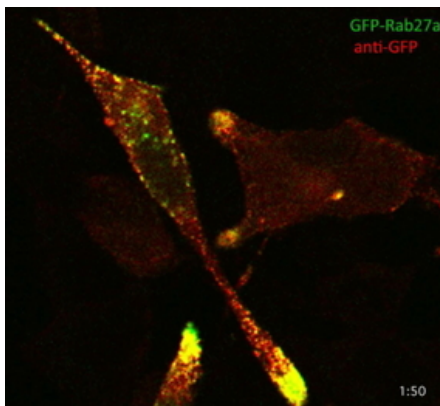
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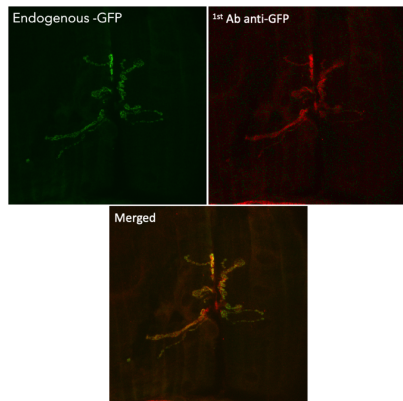
Anti-GFP Ab at 1/1,000 dilution; HEK293 transfected cell lysates at 50 µg per lane; rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;



Primary fibroblasts transfected with Ad GFP-Rab1a and immunostained with anti-GFP Ab;



AtT-20 transfected with GFP-Rab27a and immunostained with anti-GFP Ab;



Immunofluorescence in Drosophila larvae NMJ muscle 6/7 expressing GluRIIA-GFP in neurons (GluRIIA is a post-synaptic protein) using 1st Ab anti-GFP at 1/1,000 and 2nd Ab anti-goat IgY conjugated to DyLight@550 at 1/500;

**SICGEN's Proprietary Immunogen Policy**

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.