



## Product Data Sheet

001 Rev1 Jan 2012 by JR

**Catalogue No.** AB1166-100

**Qty:** 300 µg (3 mg/ml)

### YFP Polyclonal Antibody

**Source:** Goat

**General description:** Goat polyclonal antibody to YFP (yellow fluorescent protein). YFP is a genetic mutant of green fluorescent protein (GFP), derived from *Aequorea victoria*. Its excitation/emission peaks are 514/527 nm respectively.

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

**Form:** Polyclonal antibody supplied as a 100 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05%

sodium azide. This antibody is epitope-affinity purified from goat antiserum.

**Immunogen:** Purified recombinant GFP peptide from the jellyfish *aequorea victoria* produced in *E. coli*.

**Specificity:** In 293HEK cells transfected with cds plasmid detects a band of 27 kDa by Western blot. This antibody also recognizes GFP and does not recognize mCherry/red fluorescent protein.

**Reactivity:** YFP, GFP, EGFP and Venus from *Aequorea victoria*.

Sample	Western blot	Immuno-fluorescence	Histochemistry (paraffin)	Histochemistry (frozen)
Transfected cells	+++	+++	+++	+++

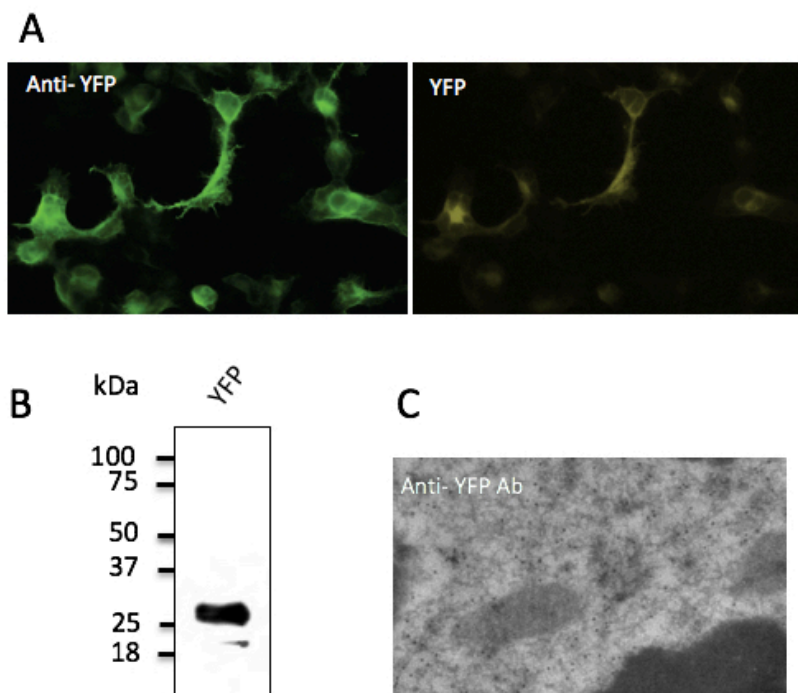
+++ excellent, ++ good, + poor, ND not determined

**Usage:** Western blot 1:500-1:2,000  
Immunofluorescence 1:50-1:1,000  
Immunohistochemistry (paraffin) 1:50-1:1,000  
Immunohistochemistry (frozen) 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:** Avoid freeze/thaw cycles.

#### References:



**A** - Immunofluorescence – anti-YFP Ab in 293HEK cells transfected with YFP at 1/50 dilution; cells were fixed with 4% of PFA;

**B** – Anti-YFP Ab at 1/2,000 dilution; 293HEK cells transduced with YFP Ad; lysates at 50 µg per lane; rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;

**C** - Immunogold labeling of epithelium cells, *in vivo* injected with YFP expressing vector;

For research use only, not for diagnostic use

**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.