



RFP Polyclonal Antibody

Catalogue No*:	AB1140-100	Price/Unit*:	320.00
Source:	3	Quantity/unit size*:	300 g
Description:	Goat polyclonal antibody to RFP (Red fluorescent protein). RFP is derived from DsRed, an engineered red fluorescent protein from so-called disc corals of the genus <i>Discosoma</i> . Alternative names: Cherry fluorescent protein; dsRed, red fluorescent protein, tdTomato antibody.		
Immunogen:	Purified recombinant RFP peptide produced in <i>E. coli</i> .		
Specificity:	In 293HEK cells transfected with cds plasmid detects a band of 29 kDa by Western blot. This antibody also recognizes very well tdTomato and does not cross-react to GFP (green fluorescent protein).		
Reactivity:	Red Fluorescent Protein (dsRed), mCherry, mOrange, mPlum, mRFP, mStrawberry and tdTomato.		
Usage:	Western blot 1:500-1:2,000 Immunofluorescence 1:50-1:500 Immunohistochemistry (paraffin) 1:50-1:500 Immunohistochemistry (frozen) 1:50-1:500		

Reactivity Chart

Sample	Western Blot	Immuno-fluorescence	Immuno-Histochemistry (p)	Immuno-Histochemistry (f)
Transfected cells	+++	+++	+++	+++

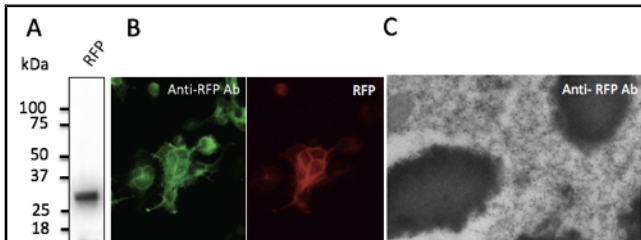
Storage: Store at -20 C for long-term storage. Store at 2-8 C for up to one month.

Special instructions: Avoid freeze/thaw cycles.

References:

1. D Jiang, D Correa-Gallegos, S Christ, et al. *Nat Cell Biol* 2018 Apr. PMID:29593327
2. Tian DS, Peng J, Murugan M, et al. *J Neurosci.* 2017 Aug 16. PMID:28716963
2. Semerci F, Choi WT, Bajic A, et al. *Elife.* 2017 Jul 12. PMID:28699891

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A - Anti-RFP Ab at 1/2,000 dilution; 293HEK cells transduced with RFP Ad; lysates at 50 µg per lane; rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;
B - Immunofluorescence – anti-RFP Ab in 293HEK cells transfected with RFP at 1/50 dilution; cells were fixed with 4% of PFA;
C - Immunogold labeling of epithelium cells, *in vivo* injected with RFP expressing vector;