

EYFP rabbit pAb antibody

Catalog No :	Source:	Concentration :	Mol.Wt. (Da):
A14290	Rabbit	1 mg/ml	
Applications	WB		
Reactivity	Species independent		
Dilution	WB: 1:3000-5000		
Storage	-20°C/1 year		
Specificity	The antibody detects EYFP and YFP tag fusion proteins.		
Source / Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using specific immunogen.		
Immunogen	Recombinant Protein of EYFP		
Uniprot No			
Alternative names			
Form	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.		
Clonality	Polyclonal		
Isotype	IgG		
Conjugation			
Background	Enhanced Yellow florescent protein. Yellow Fluorescent Protein (YFP) is a genetic mutant of green fluorescent protein, derived from Aequorea victoria. Its excitation peak is 514nm and its emission peak is 527nm. Like green fluorescent protein (GFP), it is a useful tool in cell and molecular biology, usually explored using fluorescence microscopy. Three improved versions of YFP are Citrine, Venus, and Ypet. They have reduced chloride sensitivity, faster maturation, and increased brightness (product of the extinction coefficient and quantum yield). Typically, yellow FPs serve as the acceptor for genetically-encoded FRET sensors of which the most likely donor FP is mCFP (monomeric cyan FP). The red-shift relative to GFP is caused by a Pi-Pi stacking interaction as a result of the T203Y mutation, which essentially increases the polarizability of the local chromophore environment as well as providing additional electron density into the chromophore.		
Other	,		
Product Images:			

Application Key:

WB-Western IP-Immunoprecipitation IHC-Immunohistochemistry ChIP-Chromatin Immunoprecipitation
IF-Immunofluorescence F-Flow Cytometry E-P-ELISA-Peptide

Species Cross-Reactivity Key:

H-Human M-Mouse R-Rat Hm-Hamster Mk-Monkey Vir-Virus Mi-Mink C-Chicken Dm-D. melanogaster
X-Xenopus Z-Zebrafish B-Bovine Dg-Dog Pg-Pig Sc-S. cerevisiae Ce-C. elegans Hr-Horse All-All
Species Expected

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