

# EYFP Polyclonal Antibody

Cat No: HR1AP2275

For research use only

## Overview

Product Name	EYFP Polyclonal Antibody
Source	Rabbit
Applications	WB
Species Reactivity	Species independent
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	
Observed band	kDa
GeneID?Human?	
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	
Background	<p>Enhanced Yellow florescent protein. Yellow Fluorescent Protein (YFP) is a genetic mutant of green fluorescent protein, derived from <i>Aequorea victoria</i>. 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.</p>