

EYFP Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP15493
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Recombinant Protein of EYFP
Mol wt	N/A
Species reactivity	Species independent
Clonality	Polyclonal
Recommended application	WB

Concentration

Full name

Synonyms

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Enhanced Yellow fluorescent 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.

Recommended Dilution

WB: 1: 3000 - 1: 5000

Not yet tested in other applications.

Images



Western blot analysis of EYFP recombinant protein, diluted at 1:5000. Secondary antibody was diluted at 1:20000

Storage

-20°C for 1 year