

Rev05
Update: Nov,03,2023

DATASHEET

RFP-tag Antibody, pAb, Rabbit

Cat. No.: A00682

Overview

Specificity	GenScript RFP-tag Antibody, pAb, Rabbit specifically reacts with fusion proteins containing RFP-tags and RFP variants, such as mCherry, tdTomato, DsRed, DsRed2, mOrange. The antibody does not react with GFP or GFP-tagged proteins.
Host Species	Rabbit
Immunogen	RFP epitope tag peptide VNGHEFEIEGEGEGR conjugated to KLH
Conjugate	Unconjugated

Applications

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Application	Recommended Usage
ELISA	0.05-0.2 µg/ml
Western Blot	0.1-1.0 µg/ml
Western Blot	1:100-1:1,000

Properties

Form	Lyophilized
Storage Buffer	Lyophilized with PBS, pH 7.4, containing 0.02% sodium azide
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to a final concentration of 0.5 mg/ml.
Storage Instructions	The lyophilized product remains stable for up to 1 year at -20 °C from the date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid repeated freezing and thawing cycles.

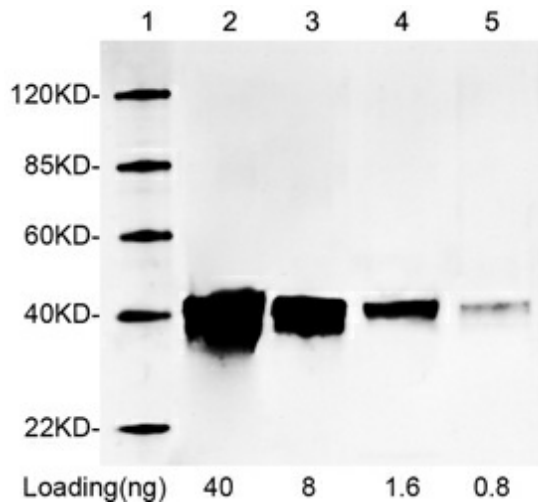
GenScript USA, Inc.

860 Centennial Ave. Piscataway, NJ 08854

Tel: 1-732-885-9188

Purification	Affinity chromatography
Isotype	Rabbit IgG
Clonality	Polyclonal
Clone ID	Not applicable

Examples

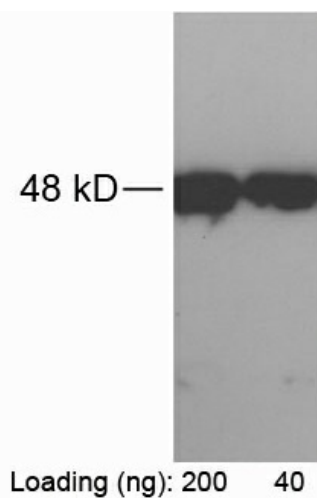


Lane 1: Marker

Lane 2-5: 40 ng, 8 ng, 1.6 ng, 0.8 ng RFP-tag fusion protein expressed in *E. coli* cell lysate

Primary antibody: 1 µg/ml Rabbit Anti-RFP-tag Polyclonal Antibody (GenScript, A00682)

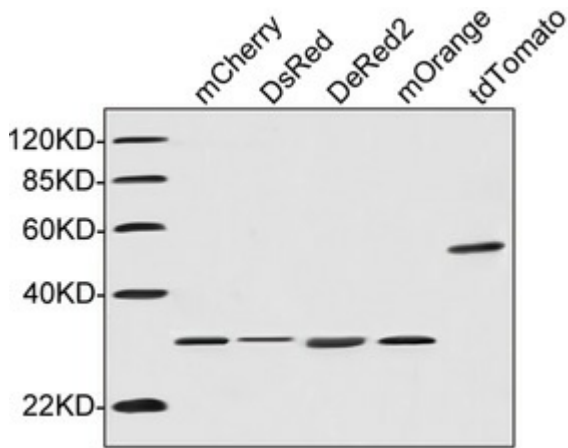
The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG



Loading: RFP-tag fusion protein expressed in *E. coli* cell lysate

Primary antibody: 1 µg/ml Rabbit Anti-RFP-tag Polyclonal Antibody (GenScript, A00682)

The result was developed with One-Step Western™ Basic Kit (GenScript, L00204).



Western blot analysis of red fluorescent protein variants (mCherry, tdTomato, DsRed, DsRed2, mOrange) using RFP-tag Antibody, pAb, Rabbit (GenScript, A00682, 1 µg/ml)

The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.

Background

Target Background : Well-characterized antibodies against short-sequence epitope tags are common in the study of protein expression in systems. RFP-tags are composed of 15-residue peptides, VNGHEFEIEGEGEGR, derived from amino acids 22-36 of red fluorescent protein (RFP) from the *Discosoma* sea anemone.

Synonyms : Rabbit Anti RFP-tag pAb; Anti RFP-tag pAb

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

生产商：南京金斯瑞生物科技有限公司 江苏省南京市江宁区科学园雍熙路28号

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28 Yongxi Road, Jiangning District, Nanjing, Jiangsu, China