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45-1022: Rabbit Polyclonal Antibody to RFP-tag

Clonality :	Polyclonal
Application :	ELISA
Format :	Purified
Isotype :	Rabbit IgG
Immunogen Information :	RFP epitope tag peptide VNGHEFEIEGEGEGR conjugated to KLH

Description

Well-characterizated 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.

Product Info

Amount :	40 µg
Purification :	Immunoaffinity chromatography
Content :	0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide
Storage condition :	The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Application Note

ELISA: 0.05-0.2 µg/ml
Western blot: 1-2 µg/ml
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Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

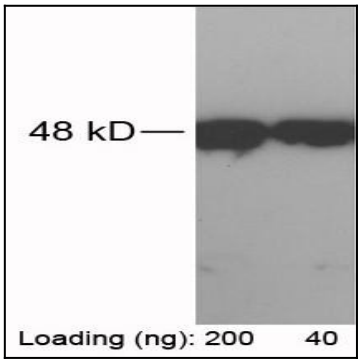

Figure-1 : Western blot analysis of RFP-tag Antibody at 1 Î¼g/ml on RFP-tagged fusion protein (200 & 40 ng) expressed in E. coli cell lysate.

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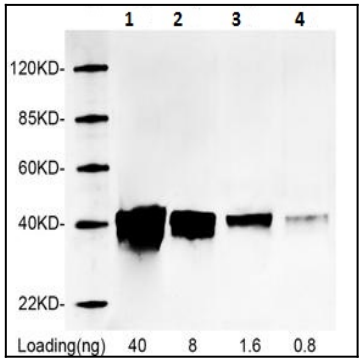

Figure-2 : Western blot analysis of RFP-tag Antibody at 1 Î¼g/ml on RFP-tagged fusion protein (40 ng, 8 ng, 1.6 ng, 0.8 ng) expressed in E. coli cell lysate.

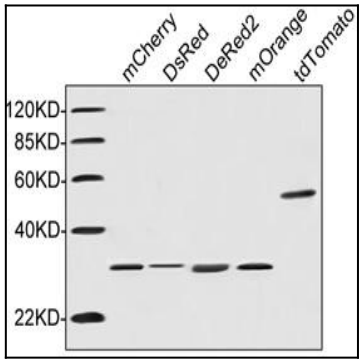

Figure-3 : Western blot analysis of RFP-tag Antibody at 1 µg/ml on red fluorescent protein variants (mCherry, DsRed, DeRed2, mOrange, tdTomato), IRDye 800 Conjugated Goat Anti-Rabbit IgG was used as Secondary Antibody.