

Rho-tag Antibody, pAb, Rabbit

Cat. No.: A01628-40

Size: 40 µg

Synonyms: Rho tag Antibody ; Rhodopsin Antibody

Description:

Well-characterized antibodies for epitope tags consisting of short sequences are widely used in the study of protein expression in various systems.

The Rho-tag is an epitope tag consisting of a twenty-residue peptide, MNGTEGPNFYVPFSNKTGVV, which is derived from the first 20aa of bovine rhodopsin. Rho-tag can be used to boost expression levels of some eukaryotic membrane protein. GenScript **Rho-tag Antibody, pAb, Rabbit** is developed in rabbit using a KLH-coupled synthetic Rho-tag epitope peptide.

Immunogen: Developed in rabbit using a KLH-coupled synthetic Rho-tag epitope peptide

Host: Rabbit

Conjugation: Unconjugated

Predicated Band Size:

65 KD

Observed Band Size:

65 KD

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

Ig Subclass: Rabbit IgG

Specificity: GenScript **Rho-tag Antibody, pAb, Rabbit**

specifically reacts with fusion proteins containing Rho epitope tags. The antibody also recognizes mouse endogenous rhodopsin proteins.

Purification: Immunoaffinity chromatography

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.

Western blot: 0.5-1 µg/ml

Other Applications: User optimized

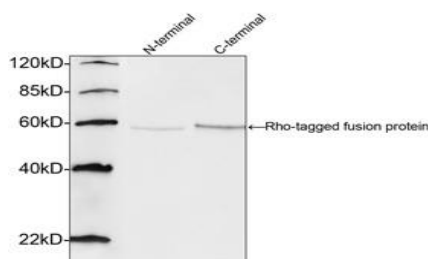
Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

Storage:

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.

Example

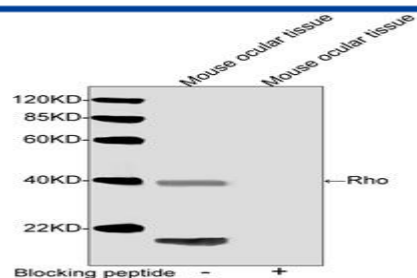


Western blot analysis of N-terminal and C-terminal Rho-tagged fusion proteins using Rho-tag Antibody, pAb, Rabbit (GenScript, A01628, 1 µg/ml)

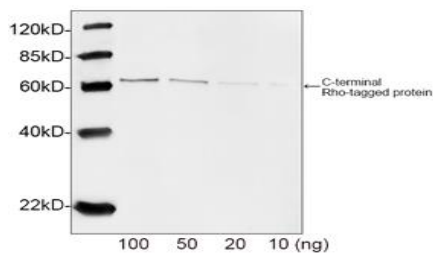
The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.

Predicted Size: 65 KD

Observed Size: 65 KD



Western blot analysis of tissue lysate using Rho-tag Antibody (GenScript, A01628, 1 μ g/ml)
 The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.
 Predicted Size: 40 KD
 Observed Size: 40 KD, 20KD



Western blot analysis of C-terminal Rho-tagged fusion proteins using Rho-tag Antibody, pAb, Rabbit (GenScript, A01628, 1 μ g/ml)
 The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.