Datasheet for ABIN1573884

anti-GFP antibody

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Overview

Quantity:	100 µg
Target:	GFP
Reactivity:	Aequorea victoria
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GFP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant cGFP fusion protein
Clone:	5E5G11
Isotype:	IgG
Specificity:	The antibody reacts with various forms of GFP including eGFP, OFP, and GFPuv.
Purification:	Protein G affinity column

Target Details

Target:	GFP
Alternative Name:	cGFP (GFP Products)
Background:	The coral green fluorescent protein (cGFP) from vector pRNATin-H1.2/Neo (Antibodies-Online, SD1223) is a versatile marker for monitoring physiological processes, visualizing protein

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Target Details

localization, and detecting transgenic expression. Mouse Anti-cGFP-tag Monoclonal Antibody can be used to detect cGFP fusion protein in Western blot analyses.

Application Details

Application Notes:	The investigator must determine the ideal working concentration for each specific application. We have not yet determined the suitability of this antibody for applications other than those listed below. The ideal working concentration must take into account such factors as secondary antibody affinity, antigen concentration, sensitivity of the detection method, temperature, and length of incubationsELISA: 0.1-1.0 µg/mL Western blot: 1.0-2.0 µg/mLWestern blot using ONE-HOUR WesternTM Kit: For quick results, ONE-HOUR WesternTM Kit is recommendet. 4 µg of this antibody is mixed with 4 mL of WB solution. Other applications: user-optimized
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide
Preservative:	Sodium azide
Precaution of Use:	WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.
Storage:	4 °C/-20 °C
Storage Comment:	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.

Publications

Product cited in:	Li, Shen, Sun, Wang, Li, Huang, Chen, Li, Zhao, Luo, Li, Qiu: "Effects of the nuclear localization of

Publications

the N(pro) protein of classical swine fever virus on its virulence in pigs." in: **Veterinary microbiology**, Vol. 174, Issue 3-4, pp. 391-8, (2014) (PubMed).

Liu, Yu, Wu, Cao, Wu, Wu, Wang: "Characterization of the open reading frame 7a from Bombyx mori nucleopolyhedrovirus." in: **Molecular biology reports**, Vol. 40, Issue 2, pp. 865-73, (2013) (PubMed).

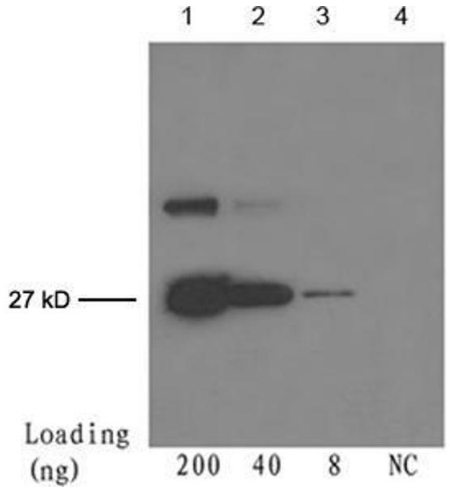
Liu, Zhu, Wu, He, Chen: "Inhibition effect produced by dominant negative mutant fusion protein PreS2-TLM-ScFv-HBcDN on HBV replication in vitro." in: **Journal of viral hepatitis**, Vol. 19, Issue 4, pp. 295-300, (2012) (PubMed).

Wilusz, JnBaptiste, Lu, Kuhn, Joshua-Tor, Sharp: "A triple helix stabilizes the 3' ends of long noncoding RNAs that lack poly(A) tails." in: **Genes & development**, Vol. 26, Issue 21, pp. 2392-407, (2012) (PubMed).

Yang, Jin, Chen, Lin, Wang, Chen, Han, Bian, Zhu, Wang: "A chloroplast envelope membrane protein containing a putative LrgB domain related to the control of bacterial death and lysis is required for chloroplast development in Arabidopsis thaliana." in: **The New phytologist**, Vol. 193 , Issue 1, pp. 81-95, (2011) (PubMed).

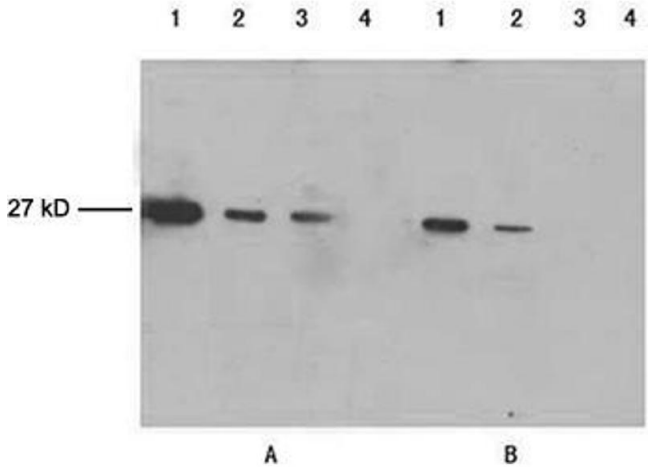
There are more publications referencing this product on: Product page

Images



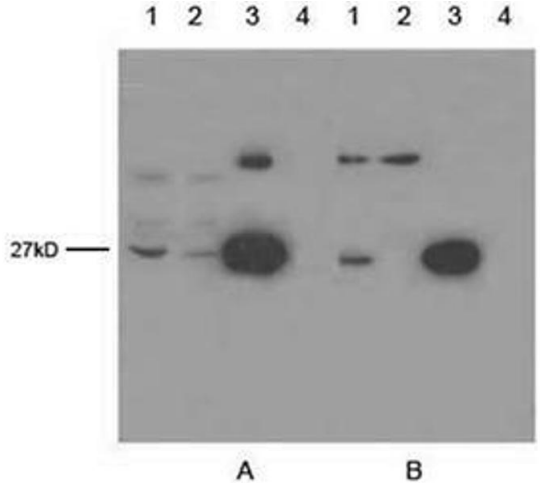
Western Blotting

Image 1. Lane 1-3: 200 ng, 40 ng, 8 ng GFP fusion proteinDetection antibody: Mouse Anti-cGFP-tag Monoclonal Antibody (ABIN398417) The Western blot was performed using One-Step WesternTM Basic Kit (ABIN491503) with 4 µg of the antibody added to 4 mL WB solution.



Western Blotting

Image 2. Lane 1-3: 100 ng, 25 ng, 10 ng GFP fusion proteinLane 4: Negative controlPrimary antibody: A. 1 µg/mL Mouse Anti-cGFP-tag Monoclonal Antibody (ABIN398417) B. 1 µg/mL Mouse Anti-cGFP-tag Monoclonal Antibody (X Company) Secondary antibody: Goat Anti-Mouse IgG (H&L) [HRP] Polyclonal Antibody (ABIN398387, 1: 50,000)



Western Blotting

Image 3. Lane 1: OFP transfecting 293 cell lysateLane 2: EGFP transfecting 293 cell lysateLane 3: 5 ng GFPuv proteinLane 4: Negative 293 cell lysate Primary antibody: A. 1 µg/mL Mouse Anti-cGFP-tag Monoclonal Antibody (ABIN398417) B. 1 µg/mL Mouse Anti-cGFP-tag Monoclonal Antibody (X Company) Secondary antibody: Goat Anti-Mouse IgG (H&L) [HRP] Polyclonal Antibody (ABIN398387, 1: 50,000)

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