Datasheet for ABIN1573877

anti-DYKDDDDK Tag antibody

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Overview

Quantity:	40 µg
Target:	DYKDDDDK Tag
Reactivity:	Please inquire
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DYKDDDDK Tag antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	A synthetic peptide DYKDDDDK (Asp-Tyr-Lys-Asp-Asp-Asp-Asp-Lys) conjugated - KLH
Sequence:	DYKDDDDK
Isotype:	IgG
Specificity:	This Antibody recognizes C-terminal, N-terminal, and internal tagged fusion proteins.
Purification:	Immunoaffinity chromatography

Target Details

Target:	DYKDDDDK Tag
Alternative Name:	DYKDDDDK-Tag (DYKDDDDK Tag Products)
Target Type:	Tag
Background:	Rabbit Anti-DYKDDDDK-tag Polyclonal Antibody is highly purified from rabbit antiserum by

Target Details

	immunoaffinity chromatography and is supplied as a 40 µg aliquot at a concentration of 1 mg/ml in PBS, pH 7.4, containing 0.02% Sodium azide.

Application Details

Application Notes:	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. ELISA: 0.01-0.05 µg/mL Western blot: 0.1-1.0 µg/mLWestern Blot Using ONE-HOUR WesternTM Kit: For quick results, ONE-HOUR WesternTM Kit is recommendet. 10 µg of this antibody is mixed with 10 mL of WB solution for 8 cm x 8 cm membrane.Immunofluorescence:5-20 µg/mLFlow Cytometry:1-3 µg for 1 x 106 cellsOther applications: user-optimized
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.5 mg/mL
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.

Handling

Avoid repeated freezing and thawing cycles.

Publications

Product cited in:

Wang, Liu, Ye, Liu, Wu, Huang, Shi: "Ddx56 maintains proliferation of mouse embryonic stem cells via ribosome assembly and interaction with the Oct4/Sox2 complex." in: **Stem cell research & therapy**, Vol. 11, Issue 1, pp. 314, (2020) (PubMed).

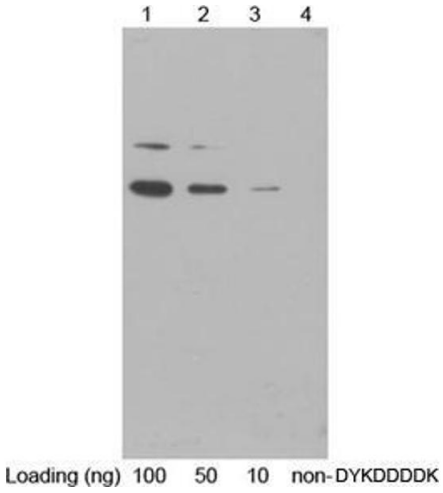
Hoshii, Cifani, Feng, Huang, Koche, Chen, Delaney, Lowe, Kentsis, Armstrong: "A Non-catalytic Function of SETD1A Regulates Cyclin K and the DNA Damage Response." in: **Cell**, Vol. 172, Issue 5, pp. 1007-1021.e17, (2019) (PubMed).

Li, Liu, Feng, Wang, Das, Xu, Zhou, Sun, Guan, Xiong, Lei: "Glyceraldehyde-3-phosphate dehydrogenase is activated by lysine 254 acetylation in response to glucose signal." in: **The Journal of biological chemistry**, Vol. 289, Issue 6, pp. 3775-85, (2014) (PubMed).

Huang, Lv, Liu, Zha, Zhang, Jiang, Xiong, Lei, Guan: "The N-terminal phosphodegron targets TAZ/WWTR1 protein for SCF?-TrCP-dependent degradation in response to phosphatidylinositol 3-kinase inhibition." in: **The Journal of biological chemistry**, Vol. 287, Issue 31, pp. 26245-53, (2012) (PubMed).

Liu, Lv, Li, Xu, Zhou, Zhao, Xiong, Lei, Guan: "PP1 cooperates with ASPP2 to dephosphorylate and activate TAZ." in: **The Journal of biological chemistry**, Vol. 286, Issue 7, pp. 5558-66, (2011) (PubMed).

There are more publications referencing this product on: Product page

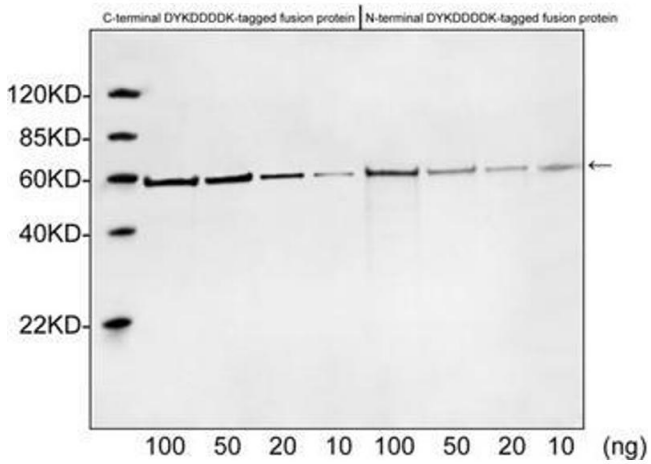


Western Blotting

Image 1. Western blot analysis of DYKDDDDK-BAP control fusion protein (MW~ 49 kDa) using 1 µg/mL Rabbit Anti-DYKDDDDK-tag Polyclonal Antibody (ABIN398402) Secondary antibody: Goat Anti-Rabbit IgG (H&L) [HRP] Polyclonal Antibody (ABIN398323, 1: 20,000) The signal was developed with LumiSensorTM HRP Substrate Kit (ABIN769939)

Western Blotting

Image 2. Western blot analysis of DYKDDDDK fusion protein (MW~ 49 kDa) using 1 µg/mL Rabbit Anti-DYKDDDDK-tag Polyclonal Antibody (ABIN398402) Lane 1-2: DYKDDDDK-tag fusion protein expressed in E. coli cell lysateThe result was developed with One-Step WesternTM Complete Kit (Rabbit) (ABIN491509)



Western Blotting

Image 3. Western blot analysis of DYKDDDDK tagged fusion proteins expressed in E. coli cell lysate using Rabbit Anti-DYKDDDDK-tag Polyclonal Antibody (ABIN398402, 1 µg/mL) The signal was developed with IRDyeTM 800 Conjugated Goat Anti-Rabbit IgG.