

Rev05
Update: Nov,03,2023

DATASHEET

DYKDDDDK-tag Antibody, pAb, Rabbit

Cat. No.: A00170

Overview

Specificity	This Antibody recognizes DYKDDDDK tagged fusion proteins.
Host Species	Rabbit
Immunogen	A synthetic peptide DYKDDDDK (Asp-Tyr-Lys-Asp-Asp-Asp-Asp-Lys) 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.

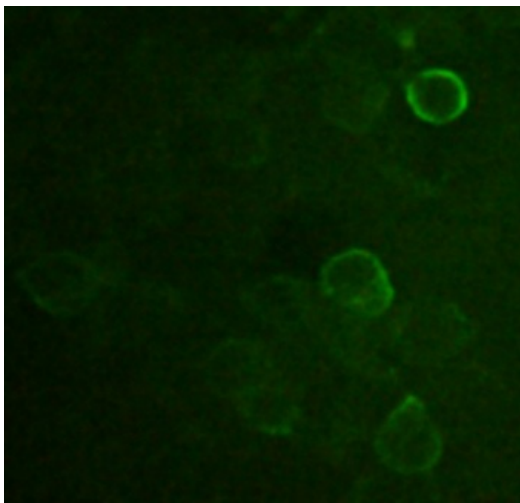
Application	Recommended Usage
ELISA	0.01-0.05 µg/ml
Western Blot	0.1-1.0 µg/ml
Western Blot	1:100-1:1,000
Immunocytochemistry/Immunofluorescence (ICC/IF)	5-20 µg/ml
Flow Cytometry	1-3 µg for 1 x 10 ⁶ cells

Properties

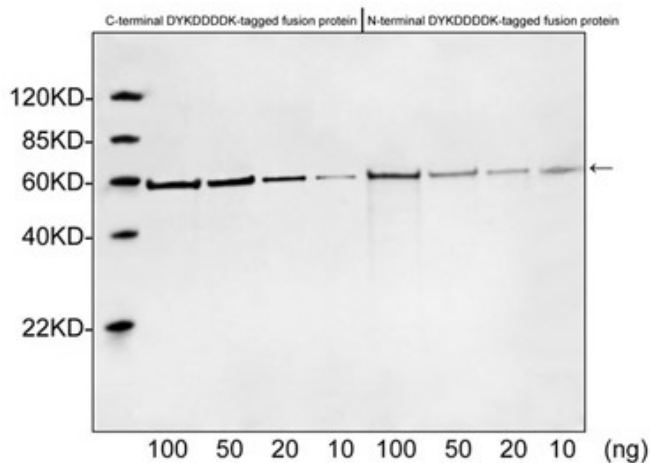
Form	Lyophilized
Storage Buffer	Lyophilized with PBS, pH 7.4, containing 0.02% sodium azide
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/ml.

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

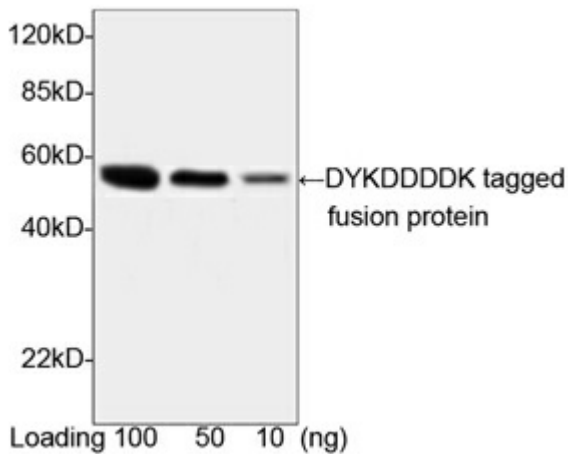
Examples



Immunofluorescent analysis of HEK293 cells transfected with Flag-tagged CD4 protein using DYKDDDDK-tag Antibody (GenScript, A00170, 10 µg/ml)



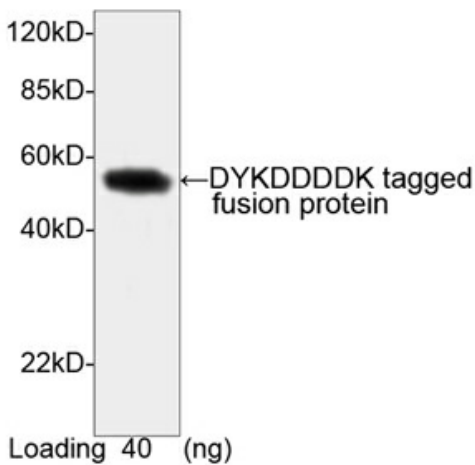
Western blot analysis of DYKDDDDK tagged fusion proteins expressed in E. coli cell lysate using Rabbit Anti-DYKDDDDK-tag Polyclonal Antibody (GenScript, A00170, 1 µg/ml) The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.



Western blot analysis of DYKDDDDK-tagged fusion protein using DYKDDDDK-tag Antibody, pAb, Rabbit (GenScript, A00170, 1 $\mu\text{g}/\text{ml}$)

The signal was developed with Goat Anti-Rabbit IgG (H&L) [HRP] Polyclonal Antibody (GenScript, A00098, 1:20,000) and LumiSensor™ HRP Substrate Kit (GenScript, L00221)

Predicted Size: 49 kD
Observed Size: 49 kD



Western blot analysis of DYKDDDDK-tagged fusion protein using DYKDDDDK-tag Antibody, pAb, Rabbit (GenScript, A00170, 1 $\mu\text{g}/\text{ml}$)

The signal was developed with One-Step Western™ Complete Kit (Rabbit) (GenScript, L00204C)

Predicted Size: 52 kD
Observed Size: 52 kD

Background

Target Background : The DYKDDDDK peptide is a small component of the epitope which does not appear to interfere with the bioactivity or the biodistribution of the recombinant protein. It has been used extensively as a general epitope tag in expression vectors. DYKDDDDK-tag Antibody, pAb, Rabbit can be used to detect DYKDDDDK-tagged proteins.

Synonyms : Rabbit Anti-DYKDDDDK-tag pAb; Rabbit Anti-Flag-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. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China