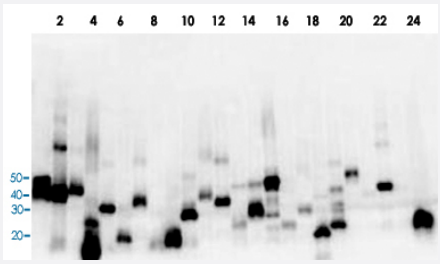
# DYKDDDDK tag monoclonal antibody, clone 29E4.G7

Catalog # MAB2094 Size 100 ug

## Applications




### Western Blot (Recombinant protein)

DYKDDDDK tag monoclonal antibody, clone 29E4.G7 (Cat # MAB2094) to detect FLAG™ conjugated proteins detects both C terminal linked and N terminal linked FLAG™ tagged recombinant proteins by western blot.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## Specification

| | |
|---|---|
| **Product Description** | Mouse monoclonal antibody raised against synthetic peptides of FLAG epitope tag. |
| **Immunogen** | A synthetic peptide corresponding to FLAG epitope tag. |
| **Host** | Mouse |
| **Form** | Liquid |
| **Isotype** | IgG |
| **Quality Control Testing** | Antibody Reactive Against Synthetic Peptide. |

| | |
|---|---|
| **Recommend Usage** | ELISA (1:160000)<br>Western Blot (1:2000-1:20000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In 20 mM potassium phosphate buffer, 150 mM NaCl, pH 7.2 (0.01% sodium azide) |
| **Storage Instruction** | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

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- Immunohistochemistry

- Enzyme-linked Immunoabsorbent Assay

## Publication Reference

- Liquid-Liquid Phase Transition Drives Intra-chloroplast Cargo Sorting.

  Min Ouyang, Xiaoyi Li, Jing Zhang, Peiqiang Feng, Hua Pu, Lingxi Kong, Zechen Bai, Liwei Rong, Xiumei Xu, Wei Chi, Qiang Wang, Fan Chen, Congming Lu, Jianren Shen, Lixin Zhang.

  Cell 2020 Mar; 180(6):1144.

  Application: Pull-Down, N/A, Recombinant proteins

- DNA polymerase ι is acetylated in response to SN2 alkylating agents.

  McIntyre J, Sobolewska A, Fedorowicz M, McLenigan MP, Macias M, Woodgate R, Sledziewska-Gojska E.

  Scientific Reports 2019 Mar; 9(1):4789.

  Application: WB-Tr, Human, HEK 293T cells

- Posttranslational Regulation of Human DNA Polymerase ι.

  McIntyre J, McLenigan MP, Frank EG, Dai X, Yang W, Wang Y, Woodgate R.

  The Journal of Biological Chemistry 2015 Nov; 290(45):27332.

  Application: WB-Ce, WB-Tr, Human, HEK 293T cells

- A strategy for the expression of recombinant proteins traditionally hard to purify.

  Frank EG, McDonald JP, Karata K, Huston D, Woodgate R.

  Analytical Biochemistry 2012 Oct; 429(2):132.

  Application: WB, Bacteria, Bacteria

- Identification of new tag sequences with differential and selective recognition properties for the anti-FLAG monoclonal antibodies M1, M2 and M5.

  Slootstra JW, Kuperus D, Plückthun A, Meloen RH.

  Molecular Diversity 1997 Mar; 2(3):156.

- Double tagging recombinant A1- and A2A-adenosine receptors with hexahistidine and the FLAG epitope. Development of an efficient generic protein purification procedure.

  Robeva AS, Woodard R, Luthin DR, Taylor HE, Linden J.

  Biochemical Pharmacology 1996 Feb; 51(4):545.

  Application: IP, Hamster, CHO-K1 cells

- Vectors for expression and secretion of FLAG epitope-tagged proteins in mammalian cells.

  Chubet RG, Brizzard BL.

  Biotechniques 1996 Jan; 20(1):136.

  Application: ICC, IHC, IP, WB-Tr, Monkey, COS-1 cells