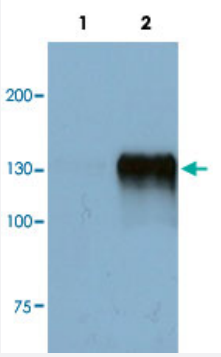
DYKDDDDK tag monoclonal antibody, clone FG4R

Catalog # MAB9744 Size 100 ug

Applications



Western Blot (Transfected lysate)

Western blot analysis probed against HEK293 cells transfected with DYKDDDDK-tagged protein vector; untransfected (1) and transfected (2). Blotting with DYKDDDDK tag monoclonal antibody, clone FG4R (Cat # MAB9744) at 1:1000 dilution.

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of DYKDDDDK tag.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to DYKDDDDK tag.
Host	Mouse
Specificity	Recognizes the N-terminal, C-terminal or internal DYKDDDDK-tagged fusion proteins.
Form	Liquid
Purification	Protein A purification
Concentration	1 mg/mL
Isotype	IgG2b
Recommend Usage	Western Blot (1:1000-1:3000) Immunohistochemistry (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS, pH 7.2 (0.05% sodium azide)

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Storage Instruction	Store at -20°C. 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.

Applications

- Immunohistochemistry
- Enzyme-linked Immunoabsorbent Assay
- Immunoprecipitation
- Western Blot (Transfected lysate)

  Western blot analysis probed against HEK293 cells transfected with DYKDDDDK-tagged protein vector; untransfected (1) and transfected (2). Blotting with DYKDDDDK tag monoclonal antibody, clone FG4R (Cat # MAB9744) at 1:1000 dilution.
- Dot Blot

Publication Reference

- Cell-free protein production of a gamma secretase homolog.

  Celine Moser, Claudia Muhle-Goll.

  Protein Expression and Purification 2024 Mar; 215:106407.

  Application: WB, N/A, Cell-free expressed proteins
- BR2 cell penetrating peptide effectively delivers anti-p21Ras scFv to tumor cells with ganglioside expression for therapy of ras-driven tumor.

  Ting Yu, Yingxian Shi, Xinyan Pan, Qiang Feng, Peng Wang, Shuling Song, Lilin Yang, Julun Yang

  PLoS One 2022 Jun; 17(6):e0269084.

  Application: ELISA, Recombinant Protein
- Inhibition of human lung cancer cells by anti-p21Ras scFv mediated by the activatable cell-penetrating peptide.

  Yu Du, Xinrui Lin, Qiang Feng, Xinyan Pan, Shuling Song, Julun Yang

  Anticancer Drugs 2022 Nov; 33(1):e562-e572.

  Application: WB

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- Cytokine-induced killer cells carrying recombinant oncolytic adenovirus expressing p21Ras scFv inhibited liver cancer.

  Fang Dai, Peng-Bo Zhang, Qiang Feng, Xin-Yan Pan, Shu-Ling Song, Jing Cui, Ju-Lun Yang.

  Journal of Cancer 2021 Mar; 12(9):2768.

  Application: IHC-P, Human, Mouse, Mouse-bearing Huh7-tumors

- Inhibition of glioma by adenovirus KGHV500 encoding anti-p21Ras scFv and carried by cytokine-induced killer cells.

  Jing Qian, Mo Yang, Qiang Feng, Xin-Yan Pan, Li-Lin Yang and Ju-Lun Yang.

  Experimental Biology and Medicine 2021 May; 246(10):1228.

  Application: IHC-P, WB-Ti, Mouse, Mouse brain, Mouse heart, Mouse Kidney, Mouse large intestine, Mouse liver, Mouse lung, Mouse pancrease, Mouse small intestine, Mouse spleen, Mouse stomach.

- Recombinant Adenovirus KGHV500 and CIK Cells Codeliver Anti-p21-Ras scFv for the Treatment of Gastric Cancer with Wild-Type Ras Overexpression.

  Li X, Li F, Ling L, Li C, Zhong Y.

  Molecular Therapy Oncolytics 2018 Oct; 11:90.

  Application: IHC-P, WB-Ti, Mouse, Organs, Tumors

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