Product Datasheet

KRAS Antibody (3B10-2F2) - Azide and BSA Free
H00003845-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Reviews: 1 Publications: 18

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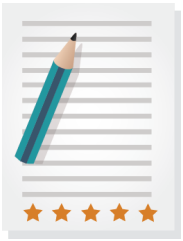
Updated 2/21/2025 v.20.1



H00003845-M01

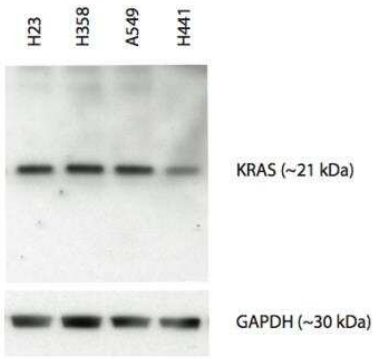
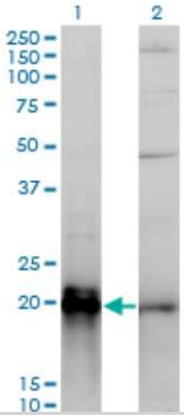
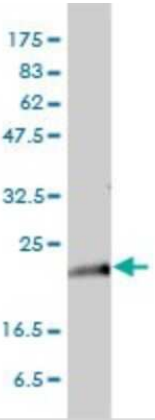
KRAS Antibody (3B10-2F2) - Azide and BSA Free

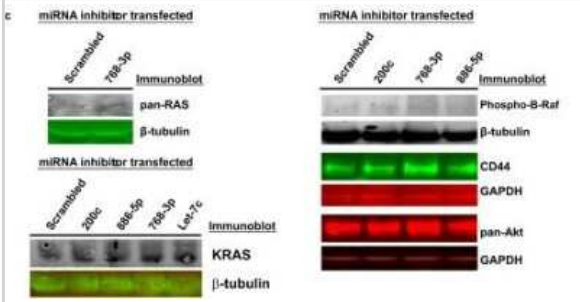
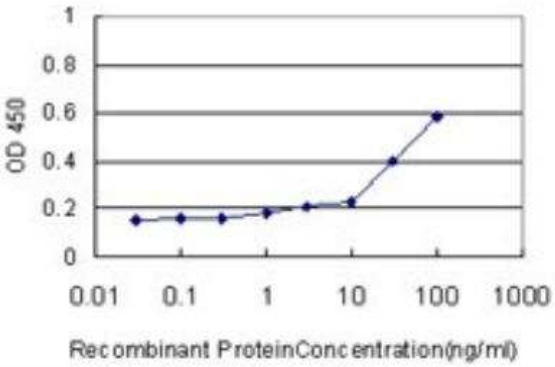
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3B10-2F2
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	3845
Gene Symbol	KRAS
Species	Human, Mouse
Specificity/Sensitivity	KRAS - v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog
Immunogen	KRAS (AAH13572, 1 a.a. ~ 188 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYRKQVVIDGETCLLDI LDTAGHEEYSAMRDQYMRTGEGFLCVFAINNTKSFEDIHHYREQIKRVKDSED VPMVLVGNKCDLPSRTVDTKQAQDLARSYGIPFIETSAKTRQGVDDAFYTLVRE IRKHKEKMSKDGKKKKKKSKTKCVIM
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:500
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has been used for IF and ELISA. IP usage was reported in scientific literature. Customer feedback on frozen sections has been negative.

Images

Western Blot: KRAS Antibody (3B10-2F2) [H00003845-M01] - Western blot analysis of KRAS expression in lysates from human lung cancer cell lines: H23, H358, A549, and H441. Image from verified customer review.	
Western Blot: KRAS Antibody (3B10-2F2) [H00003845-M01] - Western Blot analysis of KRAS expression in transfected 293T cell line by KRAS monoclonal antibody (M01), clone 3B10-2F2. Lane 1: KRAS transfected lysate(21 KDa). Lane 2: Non-transfected lysate.	
Immunocytochemistry/Immunofluorescence: KRAS Antibody (3B10-2F2) [H00003845-M01] - Analysis of monoclonal antibody to KRAS on HeLa cell. Antibody concentration 10 ug/ml.	
Western Blot: KRAS Antibody (3B10-2F2) [H00003845-M01] - KRAS monoclonal antibody (M01), clone 3B10-2F2 Analysis of KRAS expression in HeLa.	

Western Blot: KRAS Antibody (3B10-2F2) [H00003845-M01] - miRNA-768-3p specifically targets K-ras. Effect of miRNA inhibitors that were reduced by co-culture on the level of pan-RAS, phospho-B-Raf and CD44 and pan-Akt by western blotting. Also shown is the effect of different miRNA inhibitors on the level of K-ras in H520 cells by western blot. Cropped blots are shown and were run under the same experimental conditions. Image collected and cropped by CiteAb from the following publication (https://www.nature.com/articles/srep02392), licensed under a CC-BY license.	
ELISA: KRAS Antibody (3B10-2F2) [H00003845-M01] - Detection limit for recombinant GST tagged KRAS is approximately 1ng/ml as a capture antibody.	

Publications

Chapeau EA, Sansregret L, Galli GG et Al. Direct and selective pharmacological disruption of the YAP-TEAD interface by IAG933 inhibits Hippo-dependent and RAS-MAPK-altered cancers Nat Cancer 2024-04-02 [PMID: 38565920]

Almas Y, Wai L, Victor L et al. Grifolin, neogrifolin and confluentin from the terricolous polypore Albatrellus flettii suppress KRAS expression in human colon cancer cells. PLoS One. 2020-05-05 [PMID: 32369483]

Seon-Hyeong L, Yoon J, Joon K et al. The Combination of Loss of ALDH1L1 Function and Phenformin Treatment Decreases Tumor Growth in KRAS-Driven Lung Cancer. Cancers (Basel). 2020-05-28 [PMID: 32481524]

Anke B, Sheryll E, Daniel G et al. EndoBind detects endogenous protein-protein interactions in real time. Commun Biol. 2021-09-15 [PMID: 34526658]

Alexandra A, Ryan L, Chun-Hao H et al. Endogenous spacing enables co-processing of microRNAs and efficient combinatorial RNAi. Cell Rep Methods. 2022-06-21 [PMID: 35880017]

Sherekar M, Han SW, Ghirlando R et al. Biochemical and structural analyses reveal that the tumor suppressor neurofibromin (NF1) forms a high-affinity dimer J. Biol. Chem. 2020-01-24 [PMID: 31836666] (WB, Human)

Cao S, Chung S, Kim S et al. K-Ras G-domain binding with signaling lipid phosphatidylinositol (4,5)-phosphate (PIP2): membrane association, protein orientation, and function. J Biol Chem. 2019-02-21 [PMID: 30792310]

Ahmed TA, Adamopoulos C, Karoulia Z et al. SHP2 Drives Adaptive Resistance to ERK Signaling Inhibition in Molecularly Defined Subsets of ERK-Dependent Tumors. Cell Rep 2019-01-02 [PMID: 30605687] (WB, Human)

Garcia-Berrocoso T, Llombart V, Colas-Campas L et al. Single Cell Immuno-laser Microdissection Coupled to Label-free Proteomics to Reveal the Proteotypes of Human Brain Cells After Ischemia Mol. Cell Proteomics. 2017-11-13 [PMID: 29133510] (ICC/IF, Human)

Kuracha MR, Thomas P, Loggie BW, Govindarajan V et al. Bilateral blockade of MEK- and PI3K-mediated pathways downstream of mutant KRAS as a treatment approach for peritoneal mucinous malignancies. PLoS One 2017-06-22 [PMID: 28640835]

Forzati F, De Martino M, Esposito F et al. miR-155 is positively regulated by CBX7 in mouse embryonic fibroblasts and colon carcinomas, and targets the KRAS oncogene. BMC Cancer 2017-03-04 [PMID: 28259135]

Madureira PA, Bharadwaj AG, Bydoun M et al. Cell surface protease activation during RAS transformation: Critical role of the plasminogen receptor, S100A10. Oncotarget 2016-06-24 [PMID: 27351226]

More publications at http://www.novusbio.com/H00003845-M01

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Products Related to H00003845-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00003845-P01-10ug	Recombinant Human KRAS GST (N-Term) Protein

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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