

Product Datasheet

KRAS Antibody (D113) - Mutant - BSA Free NBP3-43583

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-43583

KRAS Antibody (D113) - Mutant - BSA Free

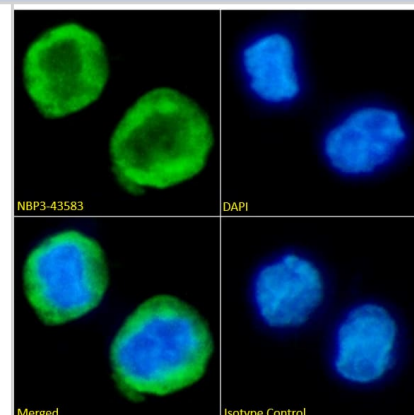
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	D113
Preservative	0.02% Proclin 300
Isotype	IgG
Purity	Protein A purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Rabbit KRAS Antibody (D113) - Mutant - BSA Free (NBP3-43527) is a recombinant monoclonal antibody validated for use in ELISA. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	3845
Gene Symbol	KRAS
Species	Human
Specificity/Sensitivity	This antibody binds the G12D mutant form of human KRAS protein. This ras protein binds GDP/GTP and possess intrinsic GTPase activity, that results in conversion of nucleotide guanosine triphosphate (GTP) into guanosine diphosphate (GDP). This protein plays an important role in many signal transduction pathways and regulation of cell proliferation. Somatic KRAS mutations are highly observed in leukemias, colorectal cancer, pancreatic cancer and lung cancer. KRAS mutation is G12D which is estimated to be present in up to 37% pancreatic cancers and over 12% of colorectal cancers.
Immunogen	The original antibody was generated by immunizing mice with a synthetic dodecapeptide 'KLVVVGADGVGK'. (Uniprot# P01116-2)

Product Application Details	
Applications	ELISA
Recommended Dilutions	ELISA

Images

Immunocytochemistry /Immunofluorescence: KRAS Antibody (D113) - Mutant - BSA Free [NBP3-43583] - Immunofluorescence analysis of paraformaldehyde fixed THP-1 cells on Shi-fix coverslips stained with NBP3-43583 (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show, from left-right, top-bottom, NBP3-43583, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.





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Products Related to NBP3-43583

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
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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