

# Product Datasheet

## KRAS Antibody (D113) [Allophycocyanin] - Mutant NBP3-43582APC

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-43582APC****KRAS Antibody (D113) [Allophycocyanin] - Mutant**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	D113
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Conjugate</b>	Allophycocyanin
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	3845
<b>Gene Symbol</b>	KRAS
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	The original antibody was generated by immunizing mice with a synthetic dodecapeptide 'KLVVVGADGVGK'. (Uniprot# P01116-2)
<b>Product Application Details</b>	
<b>Applications</b>	ELISA
<b>Recommended Dilutions</b>	ELISA
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



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### **Products Related to NBP3-43582APC**

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NBP1-97005APC	Mouse IgG1 Isotype Control (MG1) [Allophycocyanin]
H00003845-P01-10ug	Recombinant Human KRAS GST (N-Term) Protein
210-TA-005	TNF-alpha [Unconjugated]
NBP1-45274-0.1mg	Recombinant Human KRAS His Protein

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### **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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