Datasheet for ABIN7267530

anti-K-RAS antibody (pSer89)

3 Images

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Overview

Quantity:	100 µL
Target:	K-RAS (KRAS)
Binding Specificity:	pSer89
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This K-RAS antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Phospho-KRAS-S89 Rabbit pAb
Immunogen:	A phospho specific peptide corresponding to residues surrounding S89 of human KRAS.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Phosphorylated Antibodies
Purification:	Affinity purification

Target Details

Target:	K-RAS (KRAS)
Alternative Name:	KRAS (KRAS Products)

Target Details

Target Type:	Viral Protein
Background:	This gene, a Kirsten ras oncogene homolog from the mammalian ras gene family, encodes a protein that is a member of the small GTPase superfamily. A single amino acid substitution is responsible for an activating mutation. The transforming protein that results is implicated in various malignancies, including lung adenocarcinoma, mucinous adenoma, ductal carcinoma of the pancreas and colorectal carcinoma. Alternative splicing leads to variants encoding two isoforms that differ in the C-terminal region. [provided by RefSeq, Jul 2008],KRAS, C-K-RAS, CFC2, K-RAS2A, K-RAS2B, K-RAS4A, K-RAS4B, KI-RAS, KRAS1, KRAS2, NS, NS3, RALD, RASK2, c-Ki-ras2, GTPase KRas,Epigenetics & Nuclear Signaling,Cancer,Signal Transduction,G protein signaling,Signal Transduction,G2/M DNA Damage Checkpoint,Kinase,ErbB-HER Signaling Pathway,MAPK-Erk Signaling Pathway,MAPK-JNK Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Inhibition of Apoptosis,Cytoskeleton,Actins,TGF-b-Smad Signaling Pathway,ESC Pluripotency and Differentiation,Endocrine & Metabolism,Insulin Receptor Signaling Pathway,Warburg Effect,Immunology & Inflammation,B Cell Receptor Signaling Pathway,T Cell Receptor Signaling Pathway,IL-6 Receptor Signaling Pathway,NF-kB Signaling Pathway,Cardiovascular,Angiogenesis,KRAS
Molecular Weight:	21kDa
Gene ID:	3845
UniProt:	P01116

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only

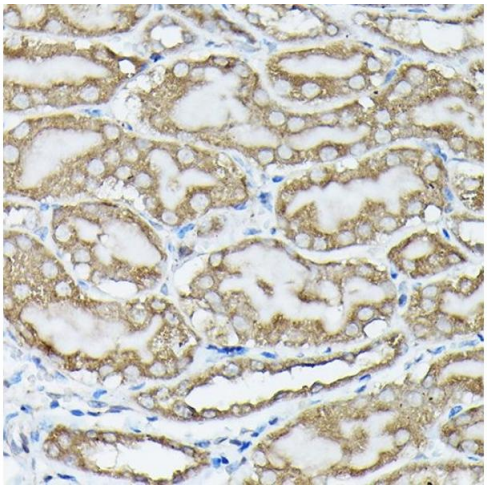
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Handling

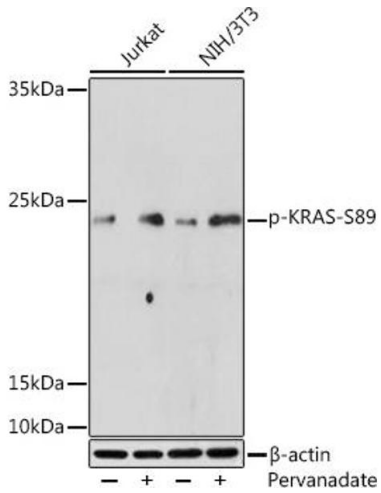
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



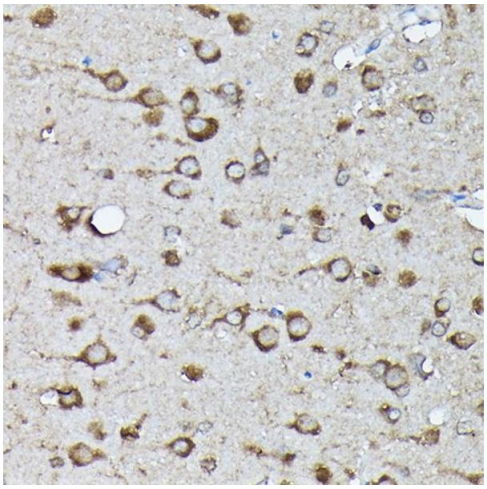
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse kidney using Phospho-KRAS-S89 Rabbit pAb (ABIN7267530) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Phospho-KRAS-S89 Rabbit pAb (ABIN7267530) at 1:500 dilution.Jurkat cells were treated by Pervanadate (1 mM) at 37 °C for 30 minutes.NIH/3T3 cells were treated by Pervanadate (1 mM) at 37 °C for 30 minutes.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % BSA.Detection: ECL Enhanced Kit (RM00021).Exposure time: 180s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat brain using Phospho-KRAS-S89 Rabbit pAb (ABIN7267530) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.