



K-Ras Monoclonal Antibody

Catalog No	YP-mAb-10579
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	KRAS
Immunogen	The antiserum was produced against synthesized peptide derived from the C-terminal region of human KRAS. AA range:150-189
Specificity	K-Ras Monoclonal Antibody detects endogenous levels of v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	pan RAS;C K RAS;c Ki ras;c-Ki-ras;c-K-ras;K-Ras;KRAS;v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog;GTPase KRas (K-Ras 2;Ki-Ras;c-Ki-ras) [Cleaved into: GTPase KRas;N-terminally processed]; N-terminally processed]
Observed Band	22kD
Calculated Molecular Weight	22kD
Cell Pathway	Cell membrane ; Lipid-anchor ; Cytoplasmic side . Endomembrane system . Cytoplasm, cytosol .; [Isoform 2B]: Cell membrane ; Lipid-anchor .
Tissue Specificity	Brain,Cervix carcinoma,Colon carcinoma,Gallbladder tumor,Lung,Lung carcinom
Function	alternative products:Isoforms differ in the C-terminal region which is encoded by two alternative exons (IVA and IVB),disease:Defects in KRAS are a cause of acute myelogenous leukemia (AML) [MIM:601626]. AML is a malignant disease in which hematopoietic precursors are arrested in an early stage of development.,disease:Defects in KRAS are a cause of cardiofaciocutaneous syndrome (CFC syndrome) [MIM:115150]; also known as cardio-facio-cutaneous syndrome. CFC syndrome is characterized by a distinctive facial appearance, heart defects and mental retardation. Heart defects include pulmonic stenosis, atrial septal defects and hypertrophic cardiomyopathy. Some



affected individuals present with ectodermal abnormalities such as sparse, friable hair, hyperkeratotic skin lesions and a generalized ichthyosis-like condition. Typical facial features are similar to Noonan syndrome. They include high fo

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],

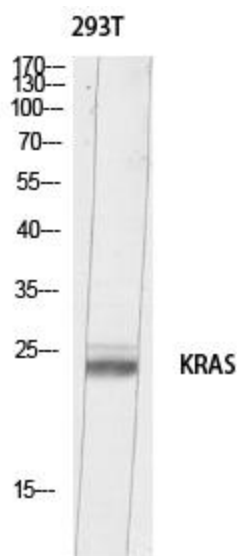
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using K-Ras Monoclonal Antibody