

Datasheet for ABIN2459898

**anti-K-RAS antibody**[Go to Product page](#)

## 1 Image

## Overview

|              |                                            |
|--------------|--------------------------------------------|
| Quantity:    | 100 µL                                     |
| Target:      | K-RAS (KRAS)                               |
| Reactivity:  | Human, Rat, Mouse, Drosophila melanogaster |
| Host:        | Rabbit                                     |
| Clonality:   | Polyclonal                                 |
| Conjugate:   | This K-RAS antibody is un-conjugated       |
| Application: | Western Blotting (WB), ELISA               |

## Product Details

|               |                                                                                                       |
|---------------|-------------------------------------------------------------------------------------------------------|
| Immunogen:    | Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human KRAS. |
| Purification: | Antibody is purified by peptide affinity chromatography method.                                       |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | K-RAS (KRAS)                                                                                                                                                                                                                                                                                                                                                              |
| Alternative Name: | KRAS ( <a href="#">KRAS Products</a> )                                                                                                                                                                                                                                                                                                                                    |
| Target Type:      | Viral Protein                                                                                                                                                                                                                                                                                                                                                             |
| Background:       | KRAS 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. This gene, a Kirsten ras oncogene homolog from the |

## Target Details

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.

Molecular Weight: 22 kDa

Gene ID: 3845

NCBI Accession: [NP\\_203524](#)

UniProt: [P01111](#)

## Application Details

Application Notes: KRAS antibody can be used for detection of KRAS by ELISA at 1:62500. KRAS antibody can be used for detection of KRAS by western blot at 1 µg/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL.

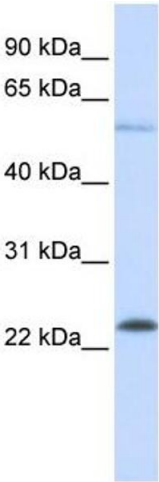
Concentration: 1 mg/mL

Buffer: Antibody is lyophilized in PBS buffer with 2 % sucrose.

Handling Advice: As with any antibody avoid repeat freeze-thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: For short periods of storage (days) store at 4 °C. For longer periods of storage, store KRAS antibody at -20 °C.



**Western Blotting**

**Image 1.**