

# KANSL3 Polyclonal antibody

Catalog Number: 25533-1-AP

## Basic Information

## Catalog Number:

25533-1-AP

## Size:

700 ug/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG22117

## GenBank Accession Number:

BC063792

## GeneID (NCBI):

55683

## UNIPROT ID:

Q9P2N6

## Full Name:

KIAA1310

## Calculated MW:

878 aa, 93 kDa

## Observed MW:

105 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:1000-1:5000

IHC 1:50-1:500

## Applications

## Tested Applications:

WB, IHC, ELISA

## Species Specificity:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Positive Controls:

WB : HEK-293 cells, Jurkat cells, U2OS cells

IHC : human intrahepatic cholangiocarcinoma tissue,

## Background Information

KANSL3, or KAT8-associated nonspecific lethal complex subunit 3, is a component of the KANSL complex, which is an important chromatin modifier in higher animals. This complex plays a crucial role in regulating housekeeping genes and is highly conserved across species. KANSL3, along with other KANSL complex members, is essential for cell division and has been shown to interact robustly both in vitro and in vivo. KANSL3 has been found to have a dual role in cellular function. In interphase, KANSL3 is chromatin-bound and regulates the expression of housekeeping genes. During mitosis, KANSL3 relocates to the mitotic spindle and is important for cell division. It has been identified as a microtubule minus-end-binding protein, which is a novel function for a chromatin-binding complex. KANSL3's ability to bind directly to microtubule minus ends is significant, as very few proteins are known to perform this function.

## Storage

## Storage:

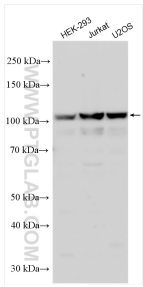
Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

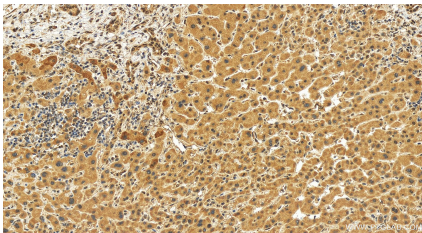
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

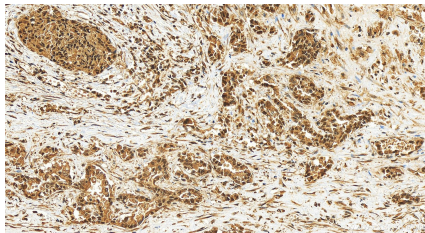
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25533-1-AP (KANSL3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 25533-1-AP (KANSL3 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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