For Research Use Only

UCKL1 Polyclonal antibody

Catalog Number: 28762-1-AP



Purification Method:

WB 1:500-1:2000 IHC 1:50-1:500

Antigen affinity purification

Recommended Dilutions:

Basic Information

Catalog Number: GenBank Accession Number: 28762-1-AP BC033078 GeneID (NCBI): Size: 450 µg/ml 54963 **UNIPROT ID:** Source: Rabbit Q9NWZ5 Full Name:

uridine-cytidine kinase 1-like 1

Calculated MW: Immunogen Catalog Number: AG30535 419 aa, 46 kDa Observed MW:

61 kDa

Applications

Tested Applications: IHC, WB, ELISA Species Specificity: Human

Isotype:

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: HepG2 cells, Raji cells, K-562 cells IHC: human liver cancer tissue,

Background Information

Uridine cytidine kinase like-1 (UCKL-1) is a largely uncharacterized protein over-expressed in many tumor cells, especially in highly malignant, aggressive tumors. Sequence analysis indicates that UCKL-1 has homology to uridine kinases, enzymes that play a role in DNA and RNA synthesis and that are often up-regulated in tumor cells. Previous studies have shown that UCKL-1 is a substrate for natural killer lytic-associated molecule (NKLAM), an E3 $ubiquit in \ ligase found in \ NK cell \ cytolytic \ granules. \ Ubiquit in ation of \ UCKL-1 \ by \ NKLAM \ leads \ to \ its \ degradation.$ Increased expression of NKLAM enhances NK-mediated tumoricidal activity. (PMID: 32083188)

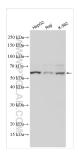
Storage

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 28762-1-AP (UCKL1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 28762-1-AP (UCKL1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).