

ANP32E Polyclonal antibody

Catalog Number: 31989-1-AP

Basic Information

Catalog Number:

31989-1-AP

Size:

550 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG33772

GenBank Accession Number:

BC003380

GeneID (NCBI):

81611

UNIPROT ID:

Q9BTTO

Full Name:

acidic (leucine-rich) nuclear phosphoprotein 32 family, member E

Calculated MW:

31 kDa

Observed MW:

30 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

IF-P 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Species Specificity:

human, mouse

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: A549 cells, DU 145 cells, HeLa cells, K-562 cells, MCF-7 cells

IHC: mouse kidney tissue, human lung tissue, mouse small intestine tissue

IF-P: mouse small intestine tissue,

Background Information

Acidic nuclear phosphoprotein 32 family member E (ANP32E) is a histone chaperone that removes H2A.Z from chromatin. ANP32E is implicated in many cellular processes, including chromatin modification and remodeling, gene regulation, protein phosphorylation, and regulation of intracellular trafficking, and contributes to early development and cancer metastasis in mammals. In addition, ANP32E is involved in tumor development and is highly expressed in pancreatic and thyroid cancer cells, and promotes tumorigenesis in gastric cancer (GC) cells by inducing NUF2 expression.

Storage

Storage:

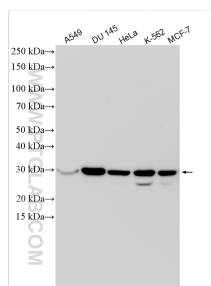
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

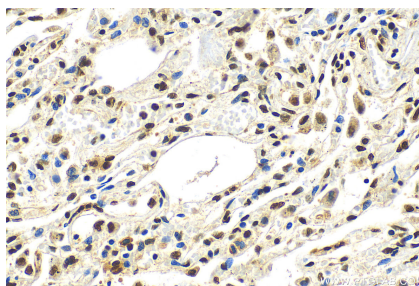
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

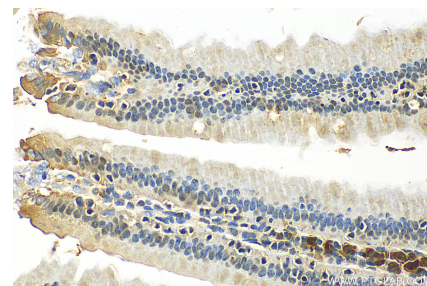
Selected Validation Data



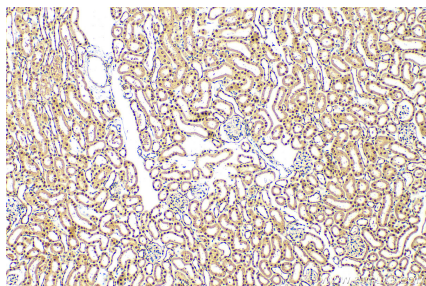
Various lysates were subjected to SDS PAGE followed by western blot with 31989-1-AP (ANP32E antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



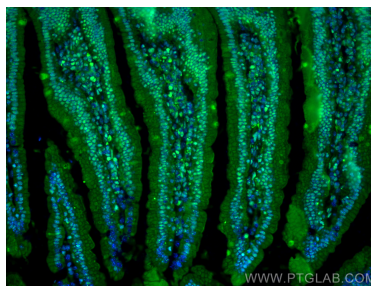
Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 31989-1-AP (ANP32E antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



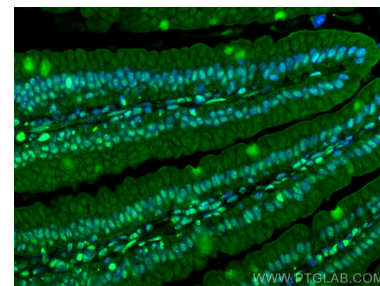
Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 31989-1-AP (ANP32E antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 31989-1-AP (ANP32E antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse small intestine tissue using ANP32E antibody (31989-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse small intestine tissue using ANP32E antibody (31989-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).