

WNT3 Polyclonal antibody

Catalog Number: 28156-1-AP

Basic Information

Catalog Number:

28156-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27965

GenBank Accession Number:

BC114219

GeneID (NCBI):

7473

UNIPROT ID:

P56703

Full Name:

wingless-type MMTV integration site family, member 3

Calculated MW:

355 aa, 40 kDa

Observed MW:

40-45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, 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 : HCT 116 cells, MCF-7 cells

IHC : mouse colon tissue, mouse kidney tissue, mouse brain tissue

Background Information

WNT3 is also named as INT4. WNT3 is required for normal gastrulation, formation of the primitive streak, and for the formation of the mesoderm during early embryogenesis (PMID: 14872406). Wnt3 is up-regulated in cancer tissues, such as gastric cancer and lung cancer. Wnt3, as a member of Wnt family, has been proved to promote the stabilization of β -catenin to regulate the radiation sensitivity of cancer cells (PMID: 31851619).

Storage

Storage:

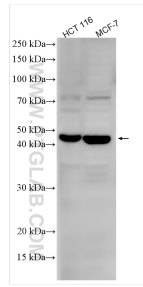
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

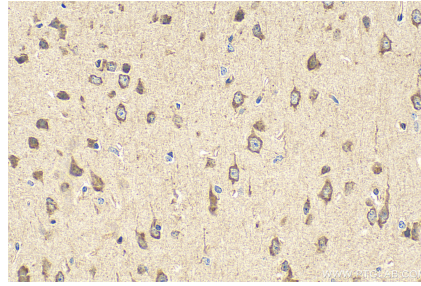
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

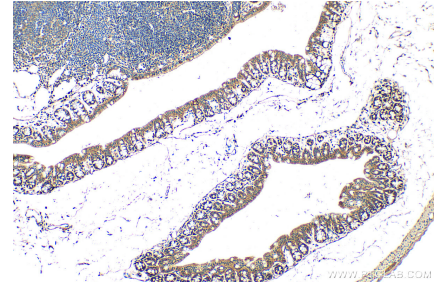
Selected Validation Data



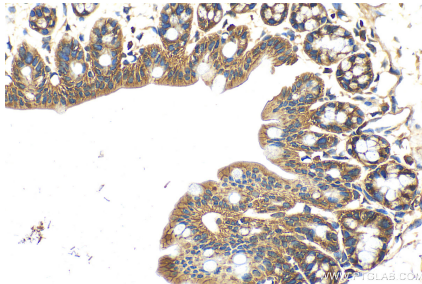
Various lysates were subjected to SDS PAGE followed by western blot with 28156-1-AP (WNT3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



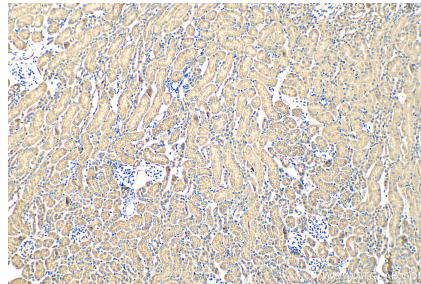
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 28156-1-AP (WNT3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 28156-1-AP (WNT3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 28156-1-AP (WNT3 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 28156-1-AP (WNT3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).