

For Research Use Only

WNT7A Polyclonal antibody

Catalog Number: 27177-1-AP

1 Publications



Basic Information

Catalog Number:

27177-1-AP

Size:

150ul, Concentration: 320 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26060

GenBank Accession Number:

BC008811

GeneID (NCBI):

7476

UNIPROT ID:

O00755

Full Name:

wingless-type MMTV integration site family, member 7A

Calculated MW:

39 kDa

Observed MW:

30-39 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:5000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:300-1:1200

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

IF

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HEK-293 cells, mouse kidney tissue, rat kidney tissue

IP : mouse kidney tissue,

IF/ICC : HepG2 cells,

Background Information

WNT7A belongs to the Wnt family. WNT7A plays an important role in embryonic development, including dorsal versus ventral patterning during limb development, skeleton development and urogenital tract development (PMID: 16826533). WNT7A is required for central nervous system (CNS) angiogenesis and blood-brain barrier regulation (PMID:30026314). WNT7A is highly expressed in basal cells and is secreted in abundance by basal cells (PMID: 36318668).

Notable Publications

Author	Pubmed ID	Journal	Application
Yuan Gao	39402333	EMBO Rep	IF

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

*** 20ul sizes contain 0.1% BSA

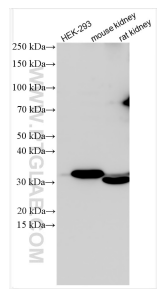
For technical support and original validation data for this product please contact:

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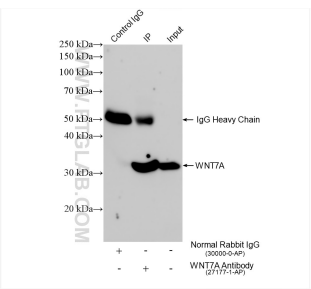
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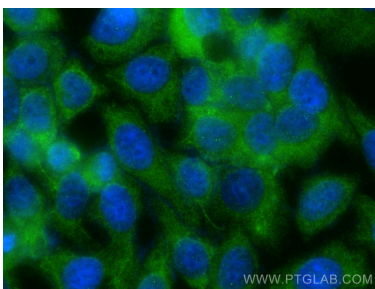
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27177-1-AP (WNT7A antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



IP result of anti-WNT7A (IP:27177-1-AP, 4ug; Detection:27177-1-AP 1:2000) with mouse kidney tissue lysate 2160 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using WNT7A antibody (27177-1-AP) at dilution of 1:600 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).