HN1 Polyclonal antibody

Catalog Number: **14914-1-AP**

Featured Product   7 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
14914-1-AP

Size:
150ul , Concentration: 600 ug/ml by Nanodrop and 433 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG6712

GenBank Accession Number:
BC001420

GeneID (NCBI):
51155

UNIPROT ID:
Q9UK76

Full Name:
hematological and neurological expressed 1

Calculated MW:
11 kDa, 16 kDa, 19 kDa

Observed MW:
23-30 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500

Applications

Tested Applications:
WB, IP, IHC, ELISA

Cited Applications:
WB, IHC, IF, CoIP

Species Specificity:
human, mouse, rat

Cited Species:
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 : HeLa cells, human brain tissue, human testis tissue, HepG2 cells, A431 cells, LNCaP cells, mouse testis tissue, mouse colon tissue

IP : MCF-7 cells,

IHC : human ovary tumor tissue, human breast cancer tissue

Background Information

HN1 (hematopoietic- and neurologic-expressed sequence 1) is a highly conserved protein that is expressed in developing and regenerating tissues. Overexpression of HN1 has been reported in various tumors like glioma and breast cancer. Hn1 has also been reported as a marker for human ovarian carcinoma and can distinguish epithelial ovarian carcinoma cells from normal ovarian surface epithelial cells. This collective information suggests that HN1 is involved in processes associated with cell proliferation, repair and/or growth.

Notable Publications

Author	Pubmed ID	Journal	Application
Jia-Jie Chen	31749294	Kaohsiung J Med Sci	WB,IHC
Zongfu Pan	33359451	Cancer Lett	WB,CoIP
Hua Jin	39251779	Cancer Gene Ther	IHC

Storage

Storage:
Store at -20℃. 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
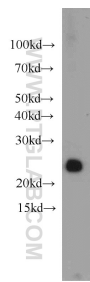
*** 20ul sizes contain 0.1% BSA**

HeLa cells were subjected to SDS PAGE followed by western blot with 14914-1-AP (HN1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.
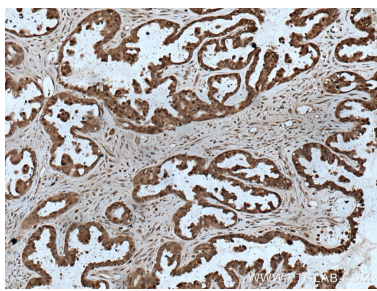
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 14914-1-AP (HN1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).
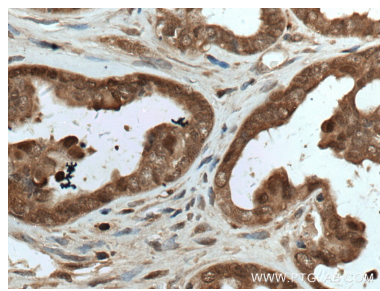
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 14914-1-AP (HN1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).
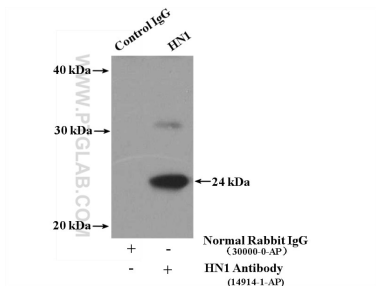
IP result of anti-HN1 (IP:14914-1-AP, 4ug; Detection:14914-1-AP 1:1000) with MCF-7 cells lysate 3200ug.