

For Research Use Only

ANKRD27 Polyclonal antibody

Catalog Number: 24034-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

24034-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 287 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG21239

GenBank Accession Number:

BC050529

GeneID (NCBI):

84079

UNIPROT ID:

Q96NW4

Full Name:

ankyrin repeat domain 27 (VP59 domain)

Calculated MW:

1050 aa, 117 kDa

Observed MW:

117-130 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:20-1:200

IF/ICC 1:300-1:1200

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

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 : MCF-7 cells,

IP : A431 cells, MCF-7 cells

IHC : human breast cancer tissue,

IF/ICC : MCF-7 cells,

Background Information

VARP (VP59-ankyrin-repeat protein, also known as ANKRD27) was originally identified as an N-terminal VP59 (vacuolar protein sorting 9)-domain-containing protein that possesses guanine nucleotide exchange factor (GEF) activity toward small GTPase Rab21 and contains two ankyrin repeat (ANKR) domains in its central region.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|----------------------|-----------|------------|-------------|
| Ana Jimenez-Orgaz | 29158324 | EMBO J | WB |
| Vasundhara Kandachar | 30404838 | J Cell Sci | WB |
| Yifei Pei | 35993307 | Autophagy | WB |

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

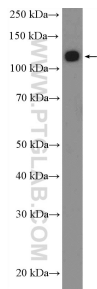
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

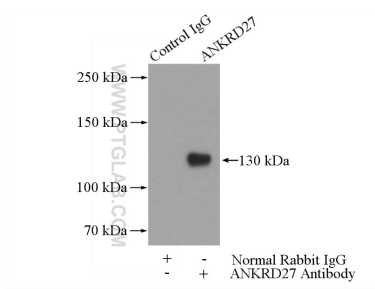
E: proteintech@ptglab.com
W: ptglab.com

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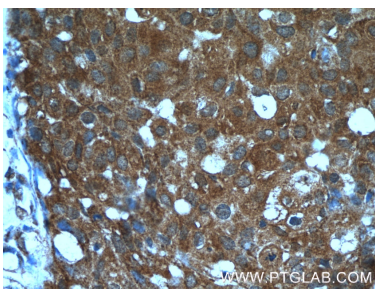
Selected Validation Data



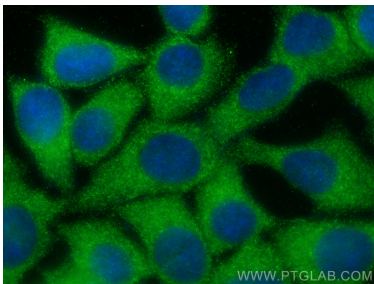
MCF-7 cells were subjected to SDS PAGE followed by western blot with 24034-1-AP (ANKRD27 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-ANKRD27 (IP:24034-1-AP, 4ug; Detection:24034-1-AP 1:1000) with A431 cells lysate 2000ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 24034-1-AP (ANKRD27 Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using ANKRD27 antibody (24034-1-AP) at dilution of 1:600 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).