

For Research Use Only

# ANKRD27 Polyclonal antibody

Catalog Number: 24034-1-AP

Featured Product

3 Publications



## Basic Information

**Catalog Number:**  
24034-1-AP

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

**Source:**  
Rabbit

**Isotype:**  
IgG

**Immunogen Catalog Number:**  
AG21239

**GenBank Accession Number:**  
BC050529

**GeneID (NCBI):**  
84079

**Full Name:**  
ankyrin repeat domain 27 (VPS9 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 IP and 1:500-1:2000 for WB  
IHC 1:20-1:200  
IF 1:50-1:500

## Applications

**Tested Applications:**  
IF, IHC, IP, WB, ELISA

**Cited Applications:**  
WB

**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:** MCF-7 cells,

## Background Information

VARP (VPS9-ankyrin-repeat protein, also known as ANKRD27) was originally identified as an N-terminal VPS9 (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

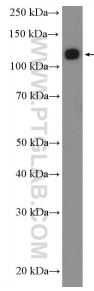
For technical support and original validation data for this product please contact:

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

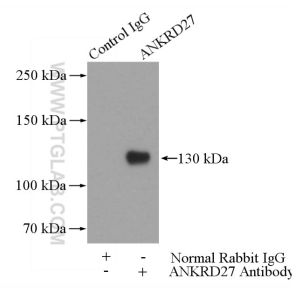
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

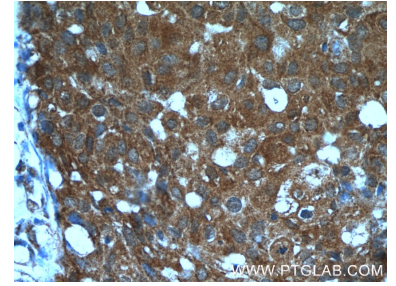
## Selected Validation Data



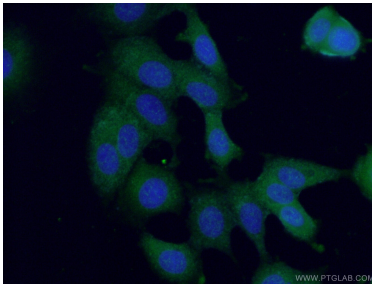
MCF-7 cells were subjected to SDS PAGE followed by western blot with 24034-1-AP (ANKRD27 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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 Ethanol) fixed MCF-7 cells using 24034-1-AP (ANKRD27 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).