For Research Use Only

UBC12 Polyclonal antibody

Catalog Number:14520-1-AP Featured Product 8 Publications

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

Basic Information

Catalog Number:
14520-1-AP

Size:
900 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG5984

GenBank Accession Number:
BC058924

GeneID (NCBI):
9040

UNIPROT ID:
P61081

Full Name:
ubiquitin-conjugating enzyme E2M (UBC12 homolog, yeast)

Calculated MW:
21 kDa

Observed MW:
21 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 1:50-1:500
IF/ICC 1:20-1:200

Applications

Tested Applications:
WB, IHC, IF/ICC, IP, ELISA

Cited Applications:
WB, IHC, IF

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 : HEK-293T cells, L02 cells, SMMC-7721 cells, HEK-293 cells, Ramos cells

IP : L02 cells,

IHC : mouse ovary tissue,

IF/ICC : L02 cells,

Background Information

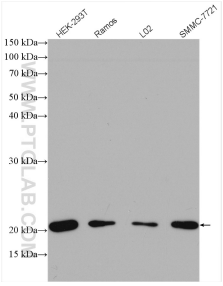
Notable Publications

Author	Pubmed ID	Journal	Application
Haibin Zhou	29074978	Nat Commun	WB,IF
Maria Fomicheva	33185187	Elife	WB
Wenjuan Zhou	35544948	Biochem Cell Biol	WB

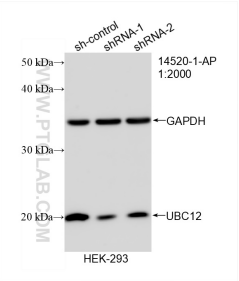
Storage

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

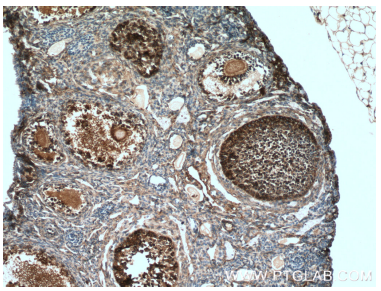
Selected Validation Data



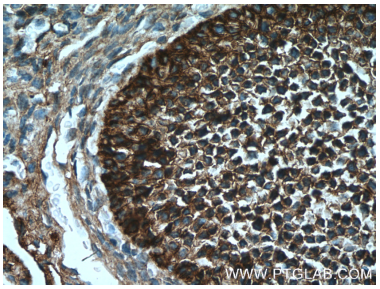
Various lysates were subjected to SDS PAGE followed by western blot with 14520-1-AP (UBC12 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



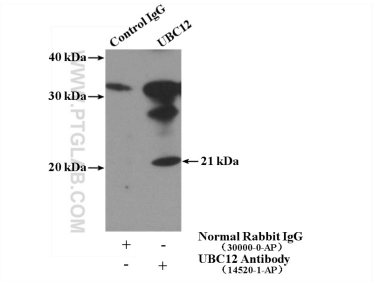
WB result of UBC12 antibody (14520-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-UBC12 transfected HEK-293 cells.



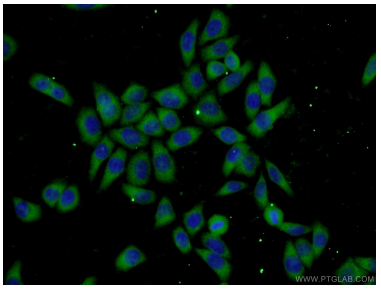
Immunohistochemical analysis of paraffin-embedded mouse ovary tissue slide using 14520-1-AP (UBC12 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse ovary tissue slide using 14520-1-AP (UBC12 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-UBC12 (IP:14520-1-AP, 4ug; Detection:14520-1-AP 1:600) with L02 cells lysate 1800ug.



Immunofluorescent analysis of L02 cells using 14520-1-AP (UBC12 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).