

For Research Use Only

UBE2D1/2/3/4 Polyclonal antibody



Catalog Number: 28328-1-AP

1 Publications

Basic Information

Catalog Number: 28328-1-AP	GenBank Accession Number: BC033349	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 800 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7322	Recommended Dilutions: WB 1:500-1:2000 IHC 1:250-1:1000
Source: Rabbit	Full Name: ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast)	
Isotype: IgG	Calculated MW: 17 kDa	
Immunogen Catalog Number: AG28736	Observed MW: 14-17 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

Human, Mouse, Rat

Cited Species:

mouse

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-293 cells, MCF-7 cells, NIH/3T3 cells, mouse testis tissue, mouse kidney tissue, rat kidney tissue, PC-12 cells

IHC: human breast cancer tissue,

Background Information

Ubiquitination is a post-translational modification pathway or is part of the specific protein-degradation pathway by the 26S proteasome. Ubiquitination of a target protein involves multistep enzymatic reaction catalyzed by a cascade of enzymes including Ub-activating enzymes (E1s), Ub-conjugating enzymes (E2s) and Ub ligases (E3s) (PMID: 23542885). UBE2D family, which has 4 members named as UBE2D1/2/3/4, is an E2 ubiquitin-conjugating enzyme family in the ubiquitin-proteasome system. This antibody can recognize all the four members of UBE2D due to the high homology.

Notable Publications

Author	Pubmed ID	Journal	Application
Cheng-Jie Zhou	36513638	Nat Commun	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

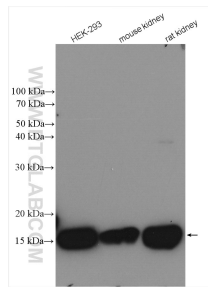
For technical support and original validation data for this product please contact:

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

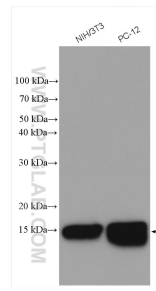
E: proteintech@ptglab.com
W: ptglab.com

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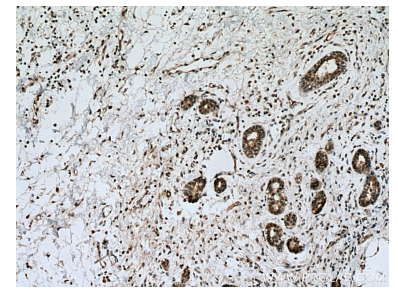
Selected Validation Data



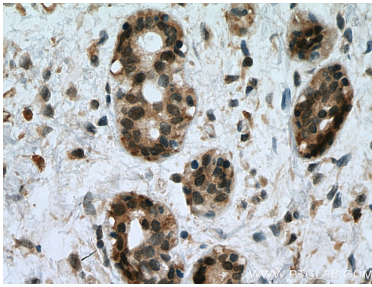
Various lysates were subjected to SDS PAGE followed by western blot with 28328-1-AP (UBE2D1/2/3/4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 28328-1-AP (UBE2D1/2/3/4 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 28328-1-AP (UBE2D1/2/3/4 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).