

For Research Use Only

# UBC9 Polyclonal antibody

Catalog Number:10224-1-AP



## Basic Information

<b>Catalog Number:</b> 10224-1-AP	<b>GenBank Accession Number:</b> BC000427	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 800 ug/ml by Nanodrop and 420 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 7329	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P63279	
<b>Isotype:</b> IgG	<b>Full Name:</b> ubiquitin-conjugating enzyme E2l (UBC9 homolog, yeast)	
<b>Immunogen Catalog Number:</b> AG0252	<b>Calculated MW:</b> 18 kDa	
	<b>Observed MW:</b> 21 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> mouse spleen tissue, HEK-293 cells, human testis tissue, Jurkat cells
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human lung cancer tissue,

## Background Information

UBC9 is also named as UBE2l, UBCE9 and belongs to the ubiquitin-conjugating enzyme family. It is a homologue of the E2 ubiquitin conjugating enzyme and participates in the covalent linking of SUMO-1 molecule to the target protein. This protein is present at a high level in spleen and lung. Moderate level of UBC9 is detected in kidney and liver. Low amount of UBC9 is observed in brain, whereas the 18 kDa band of UBC9 is barely visible or absent in heart and skeletal muscle. In heart and muscle extracts the UBC9 antibodies recognizes a 38 kDa protein band, but this band is not visible in extracts of other rat tissues(PMID:14739995).

## Storage

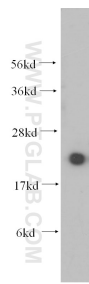
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

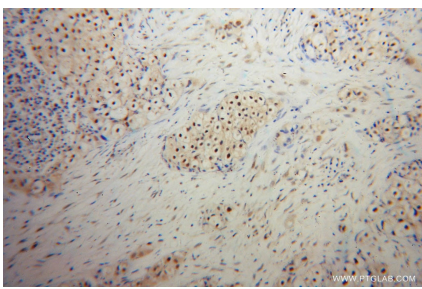
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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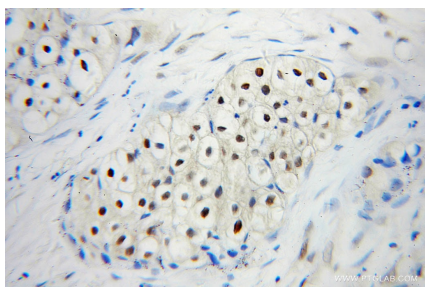
Selected Validation Data



mouse spleen tissue were subjected to SDS PAGE followed by western blot with 10224-1-AP (UBC9 antibody) at dilution of 1:50 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer using 10224-1-AP (UBC9 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lung cancer using 10224-1-AP (UBC9 antibody) at dilution of 1:50 (under 40x lens).