

## Basic Information

<b>Product Name</b>	Anti-Ubiquitin/UBB Antibody	
<b>Gene Name</b>	UBB	
<b>Source</b>	Rabbit	
<b>Clonality</b>	Polyclonal	
<b>Isotype</b>	IgG	
<b>Species Reactivity</b>	human, mouse, rat	
<b>Tested Application</b>	WB, IHC, ICC/IF	
<b>Contents</b>	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.	
<b>Immunogen</b>	E.coli-derived human Ubiquitin recombinant protein (Position: M77-G152).	
<b>Concentration</b>	500 ug/ml	
<b>Purification</b>	Immunogen affinity purified.	
<b>Observed MW</b>	9,26 kDa	
<b>Dilution Ratios</b>	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-400
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-400
	(Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

## Storage

12 months from date of receipt, -20°C as supplied.

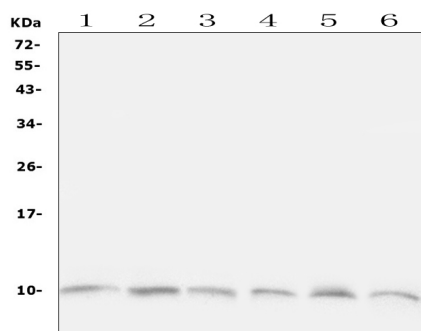
## Background Information

Ubiquitin (originally, ubiquitous immunopoietic polypeptide) is a small regulatory protein that has been found in almost all tissues (ubiquitously) of eukaryotic organisms. Its gene is mapped to 16p 13.3. The ubiquitin protein itself consists of 76 amino acids and has a molecular mass of about 8.5 kDa. Ubiquitin binds to proteins and labels them for destruction. It directs protein recycling and also direct proteins to other locations in the cell, where they control other protein and cell mechanisms.

## Reference

Anti-Ubiquitin/UBB Antibody被引用在1文献中。

## Selected Validation Data



Western blot analysis of Ubiquitin/UBB using anti-Ubiquitin/UBB antibody (PB9122). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Caco-2 whole cell lysates,

Lane 2: human K562 whole cell lysates,

Lane 3: human THP-1 whole cell lysates,

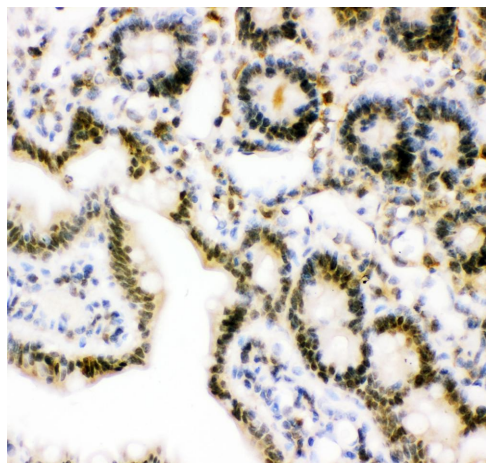
Lane 4: rat PC-12 whole cell lysates,

Lane 5: rat brain tissue lysates,

Lane 6: mouse brain tissue lysates.

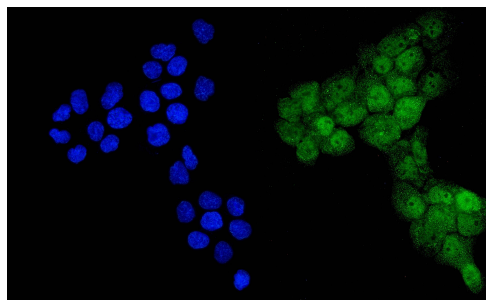
After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-Ubiquitin/UBB antigen affinity purified polyclonal antibody (PB9122) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Ubiquitin/UBB at approximately 9,26 kDa. The expected band size for Ubiquitin/UBB is at 26 kDa.



IHC analysis of Ubiquitin/UBB using anti-Ubiquitin/UBB antibody (PB9122).

Ubiquitin/UBB was detected in a paraffin-embedded section of rat intestine tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-Ubiquitin/UBB Antibody (PB9122) at a dilution of 1:200 and developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.



ICC/IF analysis of Ubiquitin/UBB using anti-Ubiquitin/UBB antibody (PB9122).

Ubiquitin/UBB was detected in an immunocytochemical section of A431 cells. The section was incubated with rabbit anti-Ubiquitin/UBB Antibody (PB9122) at a dilution of 1:100. Fluoro488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).