

UBC9 Polyclonal Antibody

Catalog NumberPA5-17043

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse, Non-human primate, Rat
Host/Isotope	Rabbit / IgG		
Class	Polyclonal	Tested Applications	
Type	Antibody	Western Blot (WB)	Dilution *1:1,000
Immunogen	Synthetic peptide corresponding to residues surrounding V148 of human Ubc9	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Purification	Antigen affinity chromatography		
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol		
Contains	no preservative		
Storage Conditions	-20°C		

Product specific information

It is not recommended to aliquot this antibody.

Background/Target Information

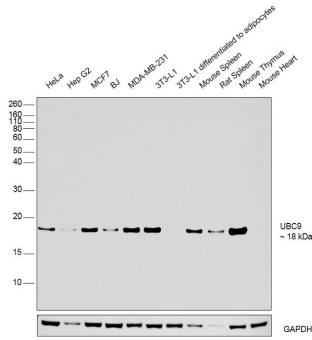
The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. Four alternatively spliced transcript variants encoding the same protein have been found for this gene.

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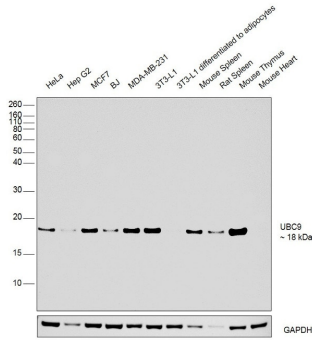
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UBC9 Antibody (PA5-17043) in WB

Western blot was performed using Anti-UBC9 Polyclonal Antibody (Product # PA5-17043) and a 18 kDa band corresponding to UBC9 was observed across all the cell lines and tissues tested. Whole cell extracts (30 µg lysate) of HeLa (Lane 1), Hep-G2 (Lane 2), MCF7 (Lane 3), BJ (Lane 4), MDA-MB-231 (Lane 5), 3T3-L1 (Lane 6), 3T3-L1 differentiated to adipocytes (Lane 7), tissue extracts (30 µg lysate) of Mouse Spleen (Lane 8), Rat Spleen (Lane 9), Mouse Thymus (Lane 10) and Mouse Heart (Lane 11) were electrophoresed using NuPAGE® 4-12 % Bis-Tris gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1: 1,000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4,000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



UBC9 Antibody (PA5-17043)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models and tissues tested owing to their inherent genetic constitution. Higher expression of UBC9 was observed in MCF7, 3T3-L1, Mouse Spleen, Rat Spleen, Mouse Thymus in comparison to BJ, 3T3-L1 differentiated to adipocytes and Mouse Heart using Anti-UBC9 polyclonal antibody (Product # PA5-17043) in Western Blot. (doi: 10.1210/en.2010-0417) {RE}

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