

Anti-Phospho-Ubiquitin Ser65 Recombinant Chicken Chimeric mAb



Product Details

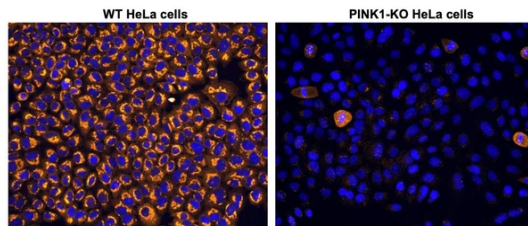
Available Variants	100 µL (SKU:78-605) 20 µL (SKU:78-605-020)
Conjugate	Unconjugated
Isotype	IgY
Clone	30H3K1
Gene Name	UBC, UBB
Host Species	Chicken
Concentration	1 mg/mL
Format	Purified by affinity chromatography
Physical State	Liquid
Buffer	1X PBS, 0.05% Sodium Azide pH 7.4
Production Notes	This recombinant antibody is a chimeric antibody created by replacing the mouse heavy and light constant regions of clone 30H3K1 with chicken IgY heavy and light constant regions. As such this antibody retains the same binding performance as the original clone 30H3K1 but can be detected using standard anti-chicken secondary antibodies allowing flexibility for multiplexing applications. This antibody is expressed recombinantly in mammalian cells and then affinity purified from the cell culture media.
Applications	ELISA, ICC, IHC, WB
Dilution Ranges	WB: 1:1000-1:2000 IHC: 1:500-1:1000 ICC: 1:500-1:1000
Species Reactivity	Human, Mouse, Rat

Immunogen	The exact immunogen used to generate this antibody is proprietary information
Specificity	No cross-reactivity reported
Molecular Weight	Multiple bands
Quality Control	Each new lot of antibody is quality control tested by Western blot on mock- and CCCP-treated HeLa lysates and confirmed to stain multiple bands only in CCCP treated lysates
Storage	Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.
UniProt ID	<u>P0CG48, P0CG47</u>
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.
Collaborations	This antibody was developed with support from The Michael J. Fox Foundation.

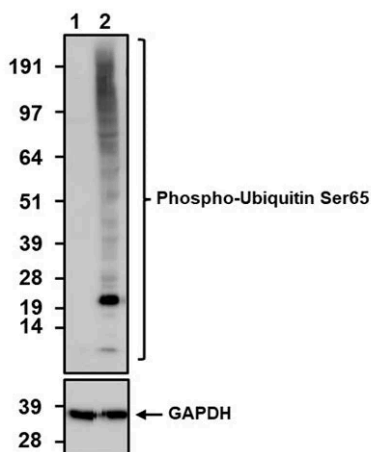


Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Ser65

Product Images



Immunofluorescent staining for detection of phospho-Ubiquitin Ser65 in WT and PINK1-KO HeLa cells using Aves Labs' anti-phospho-Ubiquitin recombinant chicken monoclonal antibody [30H3K1] (Cat No. 78-605). Cells were treated with 20 μ M carbonyl 3-chlorophenylhydrazine (CCCP) for 4 h, then fixed by adding 4% paraformaldehyde for 10 min, washed with PBS, and permeabilized with 0.1% Triton X-100 (Sigma, X100) in PBS for 15 min. Cells were blocked with 10% goat serum in PBS for 1 h. Then, the anti-phospho-Ubiquitin Ser65 antibody (Cat No. 78-605) was added in a solution of 1% BSA in PBS for 60 min at a concentration of 1 μ g/mL. Next, cells were washed two times briefly blocked again with 10% goat serum. After, secondary antibodies that were coupled to Alexa568 (orange) at a concentration of 1:1000 and Hoechst (blue) reagent in a concentration of 1:5000 were added in a solution of 1% BSA in PBS for 60 min. Finally, cells were washed and fixed again with 4% paraformaldehyde in PBS, washed two times with PBS and imaged using a Confocal microscope. Images courtesy of Wolfdieter Springer and Fabienne Fiesel, Mayo Clinic, Jacksonville, Florida.



Western blot detection of phospho-Ubiquitin Ser65 using Aves Labs' anti-phospho-Ubiquitin Ser65 recombinant chicken monoclonal antibody [30H3K1] (Cat No. 78-605). 4-12% Bis-Tris Gel was loaded with lysates from HEK293 cells that were mock-treated (lane 1) or treated with 30 μ M carbonyl 3-chlorophenylhydrazine (CCCP) for 6 hours (lane 2). Proteins were transferred to PVDF membrane and blocked with 5% non-fat milk powder. Anti-phospho-Ubiquitin Ser65 antibody was incubated with samples at a concentration of 1 μ g/mL and then detected via chemiluminescence (2 min) using a Goat Anti-Chicken H+L, HRP conjugated secondary antibody. Anti-Phospho-Ubiquitin Ser65 recognizes endogenous proteins linked to phospho-Ubiquitin Ser65 only in the CCCP treated lysates. GAPDH was used as a loading control.

Product Page URL: www.antibodiesinc.com/products/anti-phospho-ubiquitin-ser65-recombinant-antibody-30h3k1-78-605

