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Anti-Ubiquitin Antibody	# BB-AB0030	80 µl (80 µg)
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Product type: Primary Antibody

Clonality: Polyclonal

Source: Rabbit

Immunogen: Recombinant His-tag Ubiquitin (Ub) protein (~10.8 KDa) expressed in *E. coli*.

Description: Ubiquitin is a conserved polypeptide (~ 8.6 KDa) unit that plays an important role in the ubiquitin-proteasome pathway. It can be covalently linked to many cellular proteins by the ubiquitination process, which targets proteins for degradation by the 26S proteasome. The mentioned pathway has been implicated in a wide range of normal biological processes and in disease-related abnormalities. Anti-Ub antibody is the probe to unravel and understand the above cellular processes. This antibody is produced in Rabbit by repeated injections of Immunogen.

Purification: Purified against His-tag Ubiquitin (Ub) protein affinity chromatography.

Specificity: This antibody detects Ubiquitin (Ub) protein in eukaryotic cell extract and recombinant protein expressed in prokaryotic cells.

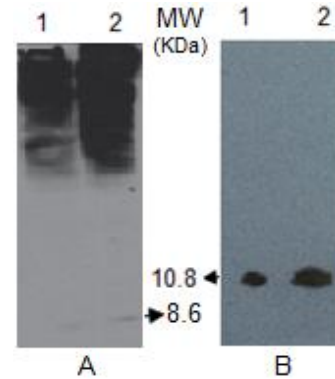
Recommended Dilutions:

Western Blotting 1:2,000

ELISA 1:1000

Storage buffer: Tris Buffer pH 7.4, containing 50% Glycerol without azide.

Storage instructions: Store at -20°C (Recommended).



(A) *Western blot analysis of mammalian cell extracts, 293T (lane 1) and 293T treated with MG132 (lane 2) using anti-Ub polyclonal antibody. [MG132 is the inhibitor of proteasome. In its presence most Ub-tagged proteins remained unproteolyzed. This is why cells are treated with this inhibitor to see Ub-tagged proteins (run as a ladder as many proteins of varying size get Ub-tagged). Mono-Ub (8.6KDa) is hard to see which is visible better at higher exposure.]

(B)*Western blot analysis of His-tag Ubiquitin pure proteins, 10.8 KDa (lane 1) and bacterial cell extract (lane 2) expressing it, using anti-Ub polyclonal antibody.

*N. B. (Membrane blocking): One hr at RT in 5% (w/v) non-fat milk; (Primary Ab): Overnight at 4°C in 1% non-fat milk; (Secondary Ab): One hr at RT in 1% non-fat milk. All incubations and washings are in 1X TBS, 0.1% Tween-20.

Exp. Date: 18 months upon receiving at proper storage condition as mentioned in datasheet.