

## Product datasheet for **AP12004PU-N**

### USP2 (C-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western Blot: 1/100-1/500. Immunohistochemistry: 1/50-1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human USP2.
Specificity:	This antibody is specific to USP2 (C-term). Predicted to cross react with Mouse (100% Antigen Homology).
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ubiquitin specific peptidase 2
Database Link:	<a href="#">Entrez Gene 9099 Human O75604</a>



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**Background:**

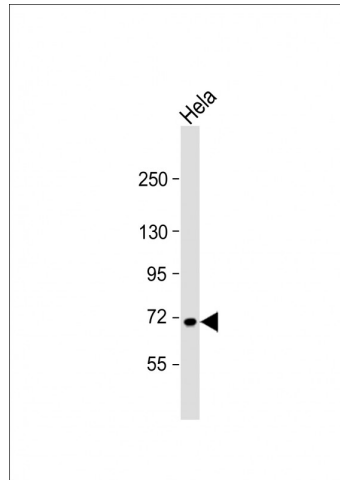
USP2, an ubiquitin-specific protease, is selectively up regulated in bone by the osteotropic agents PTH, PTHrP and PGE2 and possibly via the PKA/cAMP pathway. It is also thought to play a role in the recycling of ubiquitin by hydrolysis of branched poly-ubiquitin from linear poly-ubiquitin chains, production of free ubiquitin from linear poly-ubiquitin chains and from certain ribosomal ubiquitin fusion proteins.

**Synonyms:**

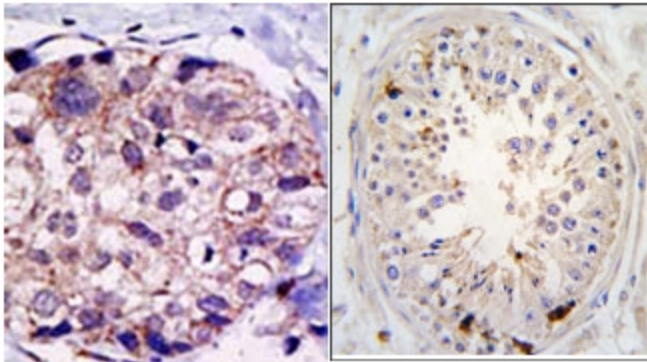
Ubiquitin carboxyl-terminal hydrolase, 2UBP41

**Note:**

**Predicted Molecular weight:** 68071 Da

**Product images:**


Anti-USP2 Antibody at 1:2000 dilution + HeLa whole cell lysate Lysates/proteins at 20 µg per lane. | Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. | Predicted band size : 68 kDa | Blocking/Dilution buffer: 5% NFD/MTBST.



(LEFT) Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. (RIGHT) Formalin-fixed and paraffin-embedded human testis tissue reacted with USP2 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.