USP2 Antibody (Ubiquitin specific protease 2)
Cat. # AB501

Background

USP2 core represents the common catalytic core domain of the two isoforms of USP2, USP2a and USP2b1. *In vitro* studies revealed that the USP2 core was able to deubiquitylate high molecular weight proteins from testis extracts and cleave Ub-PLA2 with efficiency2,3. USP2a is androgen-regulated, overexpressed in prostate tumors and has been reported to serve an antiapoptotic function in prostate cancer4. Furthermore, ectopic expression of USP2a in non-transformed cells promotes oncogenic behavior *in vitro* and *in vivo*5. Notably, Priolo *et al* also demonstrated that the E3 ubiquitin ligase Hdm2 was deubiquitylated by USP2a.

Target Alternate Names: 41 kDa ubiquitin-specific protease, Deubiquitinating enzyme 2, Ubiquitin carboxyl-terminal hydrolase 2, Ubiquitin-specific-processing protease 2, Ubiquitin thioesterase 2, UBP41, USP9

Target Molecular Weight: 40kDa

Product Information

**Description:** Chicken, polyclonal antibody to USP2core

**Species Cross Reactivity:** Human

**Source:** Chicken

**Applications:** WB

**Recommended Antibody Dilutions:**

*Western Blotting:* Robust detection of 100ng of recombinant protein was possible when antibody was used at a final concentration of 5μg/mL.

Storage/Purification

Polyclonal antibodies are produced by immunizing chickens with recombinant protein corresponding to the catalytic core of USP2a. Antibodies are purified from egg yolks.

**Storage:** Supplied in phosphate buffered saline containing 10% glycerol.

Store at –20°C.

*Do not aliquot the antibody.*

References


All products are for research use only • Not intended for human or animal diagnostic or therapeutic uses

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