

USP10 (C-20): sc-79296

BACKGROUND

The ubiquitin (Ub) pathway involves three sequential enzymatic steps that facilitate the conjugation of Ub and Ub-like molecules to specific protein substrates. Through the use of a wide range of enzymes that can add or remove ubiquitin, the Ub pathway controls many intracellular processes such as signal transduction, transcriptional activation and cell cycle progression. USP10 (ubiquitin specific peptidase 10), also known as UBPO, is a 798 amino acid protein that belongs to the ubiquitin-specific protease family of cysteine proteases. Expressed in a variety of tissues, USP10 functions to catalyze the cleavage of ubiquitin from ubiquitin-conjugated protein substrates, possibly playing a role in the activity of the DNA-bound androgen receptor complex.

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CHROMOSOMAL LOCATION

Genetic locus: USP10 (human) mapping to 16q24.1; Usp10 (mouse) mapping to 8 E1.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

SOURCE

USP10 (C-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of USP10 of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-79296 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

USP10 (C-20) is recommended for detection of USP10 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

USP10 (C-20) is also recommended for detection of USP10 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for USP10 siRNA (h): sc-76811, USP10 siRNA (m): sc-76812, USP10 shRNA Plasmid (h): sc-76811-SH, USP10 shRNA Plasmid (m): sc-76812-SH, USP10 shRNA (h) Lentiviral Particles: sc-76811-V and USP10 shRNA (m) Lentiviral Particles: sc-76812-V.

Molecular Weight of USP10: 100 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.



Try **USP10 (C-7): sc-365828**, our highly recommended monoclonal alternative to USP10 (C-20).