

Rabbit anti-Human USP10 Polyclonal Antibody | anti-USP10 antibody

Anti-USP10 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256041	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

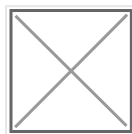
PRODUCT SYNONYMS

USP10; Polyclonal Antibody; Anti-USP10 Antibody; Rabbit Polyclonal; USP10 Antibody; Rabbit PAb; Antigen Affinity Purified; ubiquitin specific peptidase 10; Anti-UBPO Antibody; anti-USP10 antibody

PRODUCT SPECIFICATIONS

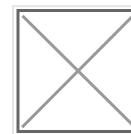
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human USP10
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-USP10 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human USP10 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human USP10 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



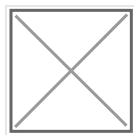
IP (Immunoprecipitation)

USP10 was immunoprecipitated using: Lane A: 0.5 mg A375 Whole Cell Lysate, 4 uL anti-USP10 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-USP10 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 87 kDa. Observed band size: 105 kDa.



IF (Immunofluorescence)

Immunofluorescence staining of USP10 in U2OS cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human USP10 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human USP10 in human brain with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-USP10 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: A375 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 87 kDa (We are unsure as to the identity of these extra bands).

ADDITIONAL INFORMATION

Related Product Information for anti-USP10 antibody

Ubiquitin-specific protease 10 (USP10) is a member of the ubiquitin-specific protease family of cysteine proteases with enzymatic activity to cleave ubiquitin from ubiquitin-conjugated protein substrates and is involved in environmental stress responses, tumor growth, inflammation, and cellular metabolism. USP10 is known to deubiquitylate its target proteins, mainly to enhance their stabilities. USP10 maintains p53 protein levels and controls epigenetic changes induced by the androgen receptor (AR). GTPase-activating protein-binding protein 2 (G3BP2), an androgen-responsive gene, is known as the main component of stress granules (SG) that interacts with USP10 in SGs. USP10 is involved in some biological processes by stabilizing several proteins, which have been implicated in multiple stages of tumorigenesis and progression. USP10 plays a vital role in oncogene-induced senescence via the deubiquitination-dependent stabilization of p14ARF.

References

Wang L, et al. (2019) Usp10 protects against cerebral ischemia injury by suppressing inflammation and apoptosis through the inhibition of tak1 signaling. *Biochem Biophys Res Commun* 516 (4): 1272-1278. Takayama KI, et al. (2018) Association of usp10 with g3bp2 inhibits p53 signaling and contributes to poor outcome in prostate cancer. *Mol Cancer Res* 16 (5): 846-856. Luo P, et al. (2018) Ubiquitin-specific peptidase 10 (usp10) inhibits hepatic steatosis, insulin resistance, and inflammation through sirt6. *Hepatology* 68 (5): 1786-1803.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/usp10-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/256041>