

Anti-USP10 Antibody [1G3]

RT1643



Product Type:	Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB, IP, IF, ELISA
Molecular Wt:	100 kDa
Clone number:	1G3

Description: 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.

Immunogen: peptide

Positive control: 293T lysate, A549 lysate, MCF-7 whole cell lysate.

Subcellular location: Cytoplasm, Nucleus

Database links: SwissProt: Q14694 Human

Recommended Dilutions:

WB	1:100-1:1,000
IP	1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)
IF	1:50-1:500
ELISA	1:30-1:3000

Storage Buffer: 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Storage Instruction: Store at +4°C

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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Images

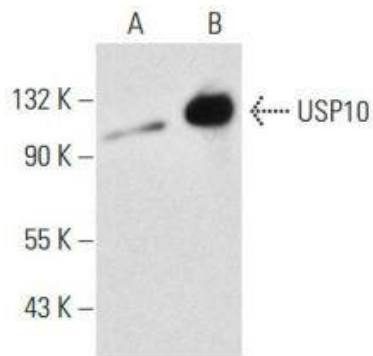


Fig1: Western blot analysis of USP10 expression in non-transfected (A) and mouse USP10 transfected (B) 293T whole cell lysates.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Faus, H., et al. 2005. The ubiquitin-specific protease USP10 modulates androgen receptor function. *Mol. Cell. Endocrinol.* 245: 138-146.
2. Grunda, J.M., et al. 2006. Increased expression of thymidylate synthetase (TS), ubiquitin specific protease 10 (USP10) and survivin is associated with poor survival in glioblastoma multiforme (GBM). *J. Neurooncol.* 80: 261-274.
3. Deng, S., et al. 2007. Over-expression of genes and proteins of ubiquitin specific peptidases (USPs) and proteasome subunits (PSs) in breast cancer tissue observed by the methods of RFDD-PCR and proteomics. *Breast Cancer Res. Treat.* 104: 21-30.

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