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Datasheet for ABIN7465301  
**anti-USP20 antibody**

### Overview

Quantity:	100 µL
Target:	USP20
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This USP20 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human USP20. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Affinity purified by Protein A.

### Target Details

Target:	USP20
Alternative Name:	ubiquitin specific peptidase 20 ( <a href="#">USP20 Products</a> )
Background:	Ubiquitin specific peptidase 20 , LSF3A , VDU2 , hVDU2,Deubiquitinating enzyme involved in beta-2 adrenergic receptor (ADRB2) recycling. Acts as a regulator of G-protein coupled receptor (GPCR) signaling by mediating the deubiquitination beta-2 adrenergic receptor (ADRB2). Plays a

## Target Details

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central role in ADRB2 recycling and resensitization after prolonged agonist stimulation by constitutively binding ADRB2, mediating deubiquitination of ADRB2 and inhibiting lysosomal trafficking of ADRB2. Upon dissociation, it is probably transferred to the translocated beta-arrestins, possibly leading to beta-arrestins deubiquitination and disengagement from ADRB2. This suggests the existence of a dynamic exchange between the ADRB2 and beta-arrestins. Deubiquitinates DIO2, thereby regulating thyroid hormone regulation. Deubiquitinates HIF1A, leading to stabilize HIF1A and enhance HIF1A-mediated activity. Mediates deubiquitination of both 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains.

Molecular Weight: 102 kDa

Gene ID: 10868

UniProt: [Q9Y2K6](#)

Pathways: [Regulation of G-Protein Coupled Receptor Protein Signaling](#)

## Application Details

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Application Notes: WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: 293T , Raji

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 0.98 mg/mL

Buffer: 1XPBS ( pH 7), 20 % Glycerol, 0.025 % ProClin 300

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.