

## anti- USP20 antibody

### Product Information

Catalog No.:	FNab09317
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

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 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-arrestinsdeubiquitination 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.

### Immunogen information

Immunogen:	ubiquitin specific peptidase 20
Synonyms:	Deubiquitinating enzyme 20, hVDU2, KIAA1003, LSFR3A, Ubiquitin thiolesterase 20, USP20, VDU2
Observed MW:	110 kDa
UniprotID :	Q9Y2K6

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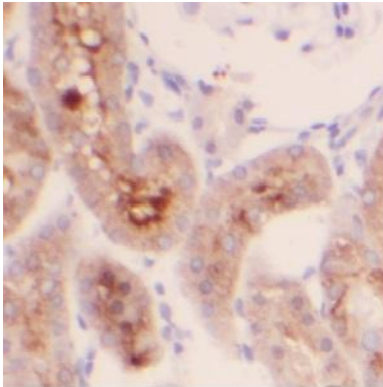
## Application

Reactivity: Human, Mouse, Rat

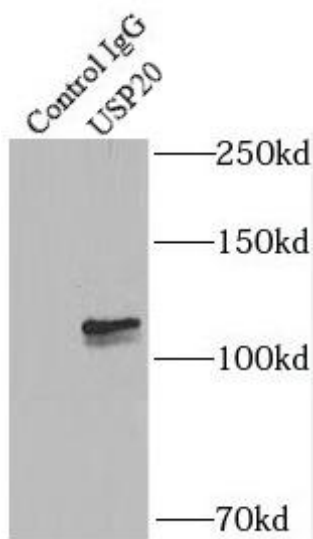
Tested Application: ELISA, WB, IHC, IP

Recommended dilution: WB: 1:200-1:2000; IHC: 1:20-1:200; IP: 1:200-1:2000

Image:



Immunohistochemistry of paraffin-embedded human kidney using FNab09317(USP20 antibody) at dilution of 1:50



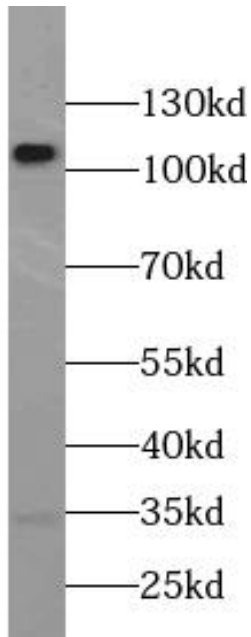
IP Result of anti-USP20 (IP:FNab09317, 4ug; Detection:FNab09317 1:500) with HeLa cells lysate 1200ug.

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HepG2 cells were subjected to SDS PAGE followed by western blot with FNab09317(USP20 antibody) at dilution of 1:400