

Datasheet for ABIN5534787
anti-USP20 antibody (AA 310-339)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	USP20
Binding Specificity:	AA 310-339
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This USP20 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This USP20 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 310-339 amino acids from the Central region of human USP20.
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	USP20
Alternative Name:	USP20 (USP20 Products)
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

Target Details

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

Application Notes: For WB starting dilution is: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

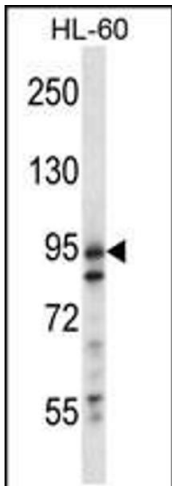
Buffer: Supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

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

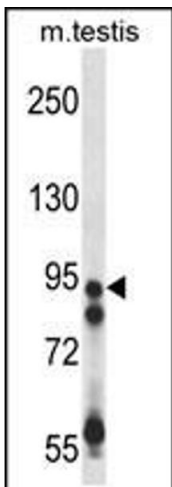
Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



Western Blotting

Image 1. Western blot analysis in HL-60 cell line lysates (35ug/lane).



Western Blotting

Image 2. Western blot analysis in mouse testis tissue lysates (35ug/lane).