



Human USP20 blocking peptide (CDBP3146)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-USP20/VDU2 antibody
Antigen Description	This gene encodes a ubiquitin specific processing protease that was first identified as a substrate of the VHL (von Hippel-Lindau disease) protein E3 ubiquitin ligase complex. In addition to being ubiquitinated by the VHL-E3 ligase complex, this enzyme deubiquitinates hypoxia-inducible factor (HIF)-1 alpha and thereby causes increased expression of HIF-1alpha targeted genes which play a role in angiogenesis, glucose metabolism, cell proliferation and metastasis. The enzyme encoded by this gene also regulates G-protein coupled receptor signaling by mediating the deubiquitination of beta-2 adrenergic receptor (ADRB2). This enzyme is a ubiquitously expressed thiolester hydrolase. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jan 2013]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	USP20 ubiquitin specific peptidase 20 [Homo sapiens]
Official Symbol	USP20

Synonyms	USP20; ubiquitin specific peptidase 20; ubiquitin specific protease 20; ubiquitin carboxyl-terminal hydrolase 20; KIAA1003; hVDU2; ubiquitin thioesterase 20; deubiquitinating enzyme 20; ubiquitin thiolesterase 20; VHL-interacting deubiquitinating enzyme 2; ubiquitin-specific-processing protease 20; pVHL-interacting deubiquitinating enzyme 2; VDU2; LSFR3A;
Entrez Gene ID	10868
mRNA Refseq	NM_001008563
Protein Refseq	NP_001008563
UniProt ID	Q9Y2K6
Chromosome Location	9q34.2
Function	G-protein coupled receptor binding; cysteine-type endopeptidase activity; metal ion binding; peptidase activity; ubiquitin thiolesterase activity; zinc ion binding;