

## Product datasheet for **CF501297**

### USP5 Mouse Monoclonal Antibody [Clone ID: OT11F9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OT11F9
Applications:	WB
Recommended Dilution:	WB 1:500~2000
Reactivity:	Human, Monkey, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human USP5 (NP_003472) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	93.1 kDa
Gene Name:	ubiquitin specific peptidase 5
Database Link:	<a href="#">NP_003472</a> <a href="#">Entrez Gene 297593 Rat</a> <a href="#">Entrez Gene 714032 Monkey</a> <a href="#">Entrez Gene 8078 Human</a> <a href="#">P45974</a>



[View online »](#)

**Background:**

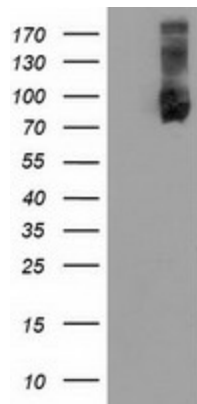
Ubiquitin (see MIM 191339)-dependent proteolysis is a complex pathway of protein metabolism implicated in such diverse cellular functions as maintenance of chromatin structure, receptor function, and degradation of abnormal proteins. A late step of the process involves disassembly of the polyubiquitin chains on degraded proteins into ubiquitin monomers. USP5 disassembles branched polyubiquitin chains by a sequential exo mechanism, starting at the proximal end of the chain (Wilkinson et al., 1995 [PubMed 7578059]). [supplied by OMIM]

**Synonyms:**

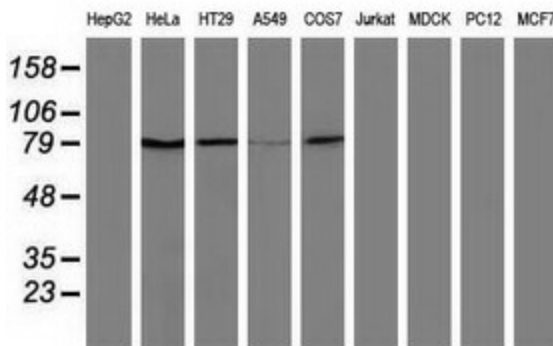
ISOT

**Protein Families:**

Druggable Genome, Protease

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY USP5 [RC202624], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-USP5. Positive lysates [LY418652] (100ug) and [LC418652] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-USP5 monoclonal antibody.