

For Research Use Only. Not for Use in Diagnostic Procedures.

	activity: M R Mk	Sensitivity: Endogenous	MW (kDa): 42, 45	Source/Isotype: Rabbit	UniProt ID: #Q96BN8	Entrez-Gene Id: 90268
Product Usage Information	۷	Application Vestern Blotting mmunoprecipitation			Dilution 1:1000 1:50	
Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% gly 20°C. Do not aliquot the antibody.					ycerol. Store at –	
Specificity/Sensitivity		OTULIN Antibody recognizes endogenous levels of total OTULIN protein. This antibody does not cross- react with OTUB1.				
Species predicted to based on 100% seque homology		ig				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human OTULIN protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background	e cl p cc si (L re R fc ty p	nzymes (UBEs) and d haracterized to date, varian tumor (OTU) E roteases that are hor ontaining deubiquitin ubfamily deubiquitin UBAC) by promoting egulate NOD2 signali IPK2 kinase (6). Bindi or OTULIN inhibition yrosine phosphorylat	eubiquitinating enz and include USP, U DUB subfamily comp nologous to the <i>Dr</i> nase with linear link ating enzyme that a disassembly of Me ng in an antagonist ng of the OTULIN P of NF-KB signaling; ion of OTULIN (7,8) quitin chains may p	on are reversible proces symes (DUBs) (1,2). Five CH, OTU, MJD, and JAMN prises a group of approx osophila ovarian tumor age specificity (OTULIN, antagonizes the E3 linea t1-linked (linear) ubiquit ic manner by controlling UB-interacting motif to this OTULIN-HOIP intera The ability of OTULIN to lay an important role in	subfamilies of DUB: A deubiquitinating of kimately 100 putativ gene product (3). O FAM105B, Gumby) r ubiquitin chain as tin chains (4,5). LUB g the level of Met1 the HOIP subunit o action is negatively o influence LUBAC f	s have been enzymes (1,2). The re cysteine TU domain- is an OTU sembly complex AC and OTULIN ubiquitinated f LUBAC is critical regulated by function and the
Background Referen	2 3 4 5 6 7	. Nijman, S.M. et al. (2 . Nalepa, G. et al. (20 . Makarova, K.S. et al. . Keusekotten, K. et al . Rivkin, E. et al. (2013 . Fiil, B.K. et al. (2013) . Elliott, P.R. et al. (20 . Schaeffer, V. et al. (2	06) <i>Nat Rev Drug D.</i> . (2000) <i>Trends Bioc</i> I. (2013) <i>Cell</i> 153, 13 3) <i>Nature</i> 498, 318-2 1 <i>Mol Cell</i> 50, 818-30 14) <i>Mol Cell</i> 54, 335	<i>iscov</i> 5, 596-613. <i>hem Sci</i> 25, 50-2. 312-26. 24. 0. -48.		
Species Reactivity	S	pecies reactivity is de	termined by testing	g in at least one approve	ed application (e.g.,	western blot).
Western Blot BufferIMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.					ר 5% w/v nonfat	
Applications Key W: Western Blotting IP: Immunoprecipitation						
Cross-Reactivity Key	н	H: Human M: Mouse R: Rat Mk: Monkey				
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