



Research Area:	Autophagy antibody Cancer Cardiovascular Cell Biology Epigenetics & Nuclear Signaling Developmental Biologys Immunology Drug Discovery Products Metabolism Neuroscience Signal Transduction Stem Cells
Antibody type:	Polyclonal Antibody
Applications:	WB IHC
Reactivity:	Human Mouse Rat
Molecular Weight:	17kDa
Immunogen:	Recombinant protein of human UBE2D1
Gene ID:	7321
Swiss-Prot No.:	P51668
Alternname:	E2(17)KB1;SFT;UBC4/5;UBCH5;UBCH5A
Source:	Rabbit
Isotype:	IgG
Purification:	Affinity purification
Storage/Stability:	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
	The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three

Background:	classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is closely related to a stimulator of iron transport (SFT), and is up-regulated in hereditary hemochromatosis. It also functions in the ubiquitination of the tumor-suppressor protein p53 and the hypoxia-inducible transcription factor HIF1alpha by interacting with the E1 ubiquitin-activating enzyme and the E3 ubiquitin-protein ligases. Two transcript variants encoding different isoforms have been found for this gene.
Dilution:	WB 1:500 - 1:2000 IHC 1:50 - 1:200
Shipping&Stablity:	Aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.