

## ARG56851 anti-UBE2D1 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes UBE2D1
Tested Reactivity	Hu, Ms
Predict Reactivity	Bov, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	UBE2D1
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 111-140 (C-terminus) of Human UBE2D1.
Conjugation	Un-conjugated
Alternate Names	E2(17)KB1; EC 6.3.2.19; UBC4/5 homolog; Ubiquitin-conjugating enzyme E2; UbcH5; SFT; UBCH5; Ubiquitin carrier protein D1; Ubiquitin-conjugating enzyme E2 D1; UBC4/5; Stimulator of Fe transport; Ubiquitin-protein ligase D1; Ubiquitin-conjugating enzyme E2-17 kDa 1; UBCH5A

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:100
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	A431	

### Properties

Form	Liquid
Purification	Purified by ammonium sulfate precipitation through ion exchange chromatography.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

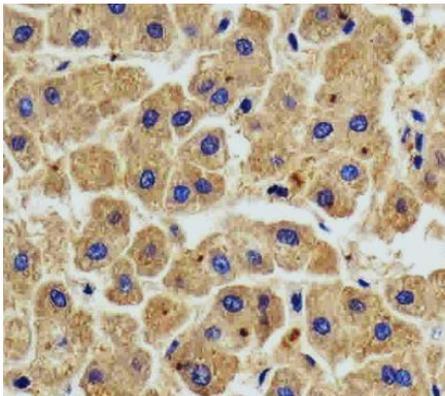
## Bioinformation

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Database links	<a href="#">GeneID: 216080 Mouse</a> <a href="#">GeneID: 7321 Human</a> <a href="#">Swiss-port # P51668 Human</a> <a href="#">Swiss-port # P61080 Mouse</a>
Gene Symbol	UBE2D1
Gene Full Name	ubiquitin-conjugating enzyme E2D 1
Background	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 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. [provided by RefSeq, Mar 2011]
Function	Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-48'-linked polyubiquitination. Mediates the selective degradation of short-lived and abnormal proteins. Functions in the E6/E6-AP-induced ubiquitination of p53/TP53. Mediates ubiquitination of PEX5 and auto-ubiquitination of STUB1, TRAF6 and TRIM63/MURF1. Ubiquitinates STUB1-associated HSP90AB1 in vitro. Lacks inherent specificity for any particular lysine residue of ubiquitin. Essential for viral activation of IRF3. Mediates polyubiquitination of CYP3A4. [UniProt]
Calculated Mw	17 kDa
Cellular Localization	Cytoplasm.

## Images

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ARG56851 anti-UBE2D1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver tissue stained with ARG56851 anti-UBE2D1 antibody at 1:100 dilution.

ARG56851 anti-UBE2D1 antibody WB image

Western blot: 35 µg of A431 cell lysate stained with ARG56851 anti-UBE2D1 antibody at 1:1000 dilution.

