

Rabbit UBE2D1 Polyclonal Antibody | anti-UBE2D1 antibody

UBE2D1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326479	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

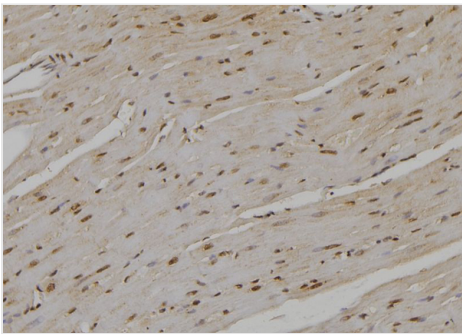
PRODUCT SYNONYMS

UBE2D1; Polyclonal Antibody; UBE2D1 Antibody; E2(17)KB1; SFT; Stimulator of Fe transport; UB2D1_HUMAN; UBC 4/5; UBC4/5; UBC4/5 homolog; S. cerevisiae; homolog of; UBCH 5; UBCH 5A; Ubch5; UBCH5A; Ube2d1; Ubiquitin carrier protein; Ubiquitin carrier protein D1; Ubiquitin conjugating enzyme E2 17 kDa 1; Ubiquitin conjugating enzyme E2 D1; Ubiquitin conjugating enzyme E2D 1 (UBC4/5 homolog yeast); Ubiquitin conjugating enzyme E2D 1; Ubiquitin conjugating enzyme UBCH5A; Ubiquitin protein ligase D1; Ubiquitin-conjugating enzyme E2 D1; Ubiquitin-conjugating enzyme E2(17)KB 1; Ubiquitin-conjugating enzyme E2-17 kDa 1; Ubiquitin-protein ligase D1; anti-UBE2D1 antibody

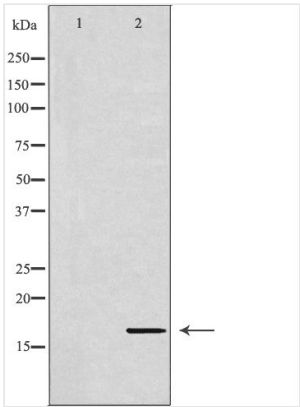
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	UBE2D1 antibody detects endogenous levels of total UBE2D1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	147
Applicable Applications for anti-UBE2D1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human UBE2D1
Subcellular Location	Cytoplasm.
Tissue Specificity	Ubiquitous. Up-regulated in livers of iron-overloaded patients with hereditary hemochromatosis.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326479 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of SW620 cell lysate, using UBE2D1 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-UBE2D1 antibody	Description: 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. Function: Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins (PubMed:22496338). In vitro catalyzes 'Lys-48'-linked polyubiquitination (PubMed:20061386). 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 (PubMed:18042044, PubMed:18359941). Ubiquitinates STUB1-associated HSP90AB1 in vitro (PubMed:18042044). Lacks inherent specificity for any particular lysine residue of ubiquitin (PubMed:18042044). Essential for viral activation of IRF3 (PubMed:19854139). Mediates polyubiquitination of CYP3A4 (PubMed:19103148). Subunit Structure: Component of a E3 ubiquitin ligase complex containing UBE2D1, SIAH1, CACYBP/SIP, SKP1, APC and TBL1X. Interacts with RNF11. Post-translational Modifications: Autoubiquitinated in vitro. Similarity: Belongs to the ubiquitin-conjugating enzyme family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507773
NCBI GeneID	7321
NCBI Accession #	NP_003329.1
NCBI GenBank Nucleotide #	NM_003338.4
UniProt Accession #	P51668; A6NLF6; A8K786
Molecular Weight	Observed: 17 kDa Predicted: 17 kDa
NCBI Official Full Name	ubiquitin-conjugating enzyme E2 D1 isoform 1
NCBI Official Synonym Full Names	ubiquitin conjugating enzyme E2 D1
NCBI Official Symbol	UBE2D1
NCBI Official Synonym Symbols	SFT; UBCH5; UBC4/5; UBCH5A; E2(17)KB1

NCBI Protein Information	ubiquitin-conjugating enzyme E2 D1
UniProt Protein Name	Ubiquitin-conjugating enzyme E2 D1
UniProt Gene Name	UBE2D1
UniProt Synonym Gene Names	SFT; UBC5A; UBCH5; UBCH5A; SFT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ube2d1-antibody-immunohistochemistry-western-blot-elisa/326479>