

## Rabbit UBE2D1 Polyclonal Antibody | anti-UBE2D1 antibody

UBE2D1 Antibody (C-term)

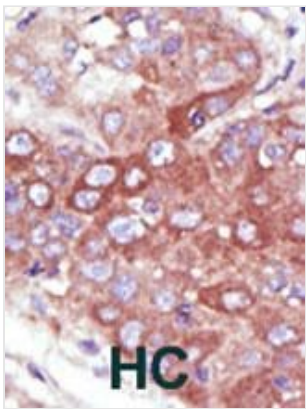
| CATALOG # | HOST   | REACTIVITY                                       | APPLICATIONS                              |
|-----------|--------|--------------------------------------------------|-------------------------------------------|
| AAA287087 | Rabbit | Human (Predicted Reactivity: Bovine, Mouse, Rat) | Western Blot, Immunohistochemistry, ELISA |

### PRODUCT SYNONYMS

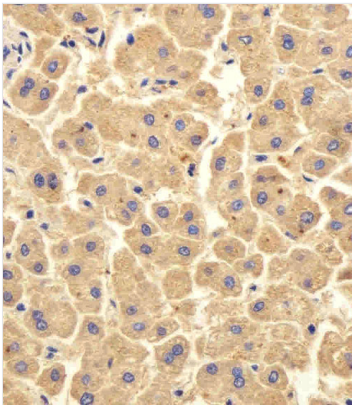
UBE2D1; Polyclonal Antibody; UBE2D1 Antibody (C-term); Ubiquitin-conjugating enzyme E2 D1; Stimulator of Fe transport; SFT; UBC4/5 homolog; Ubch5; Ubiquitin carrier protein D1; Ubiquitin-conjugating enzyme E2(17)KB 1; Ubiquitin-conjugating enzyme E2-17 kDa 1; Ubiquitin-protein ligase D1; UBC5A; UBCH5; UBCH5A; anti-UBE2D1 antibody

### PRODUCT SPECIFICATIONS

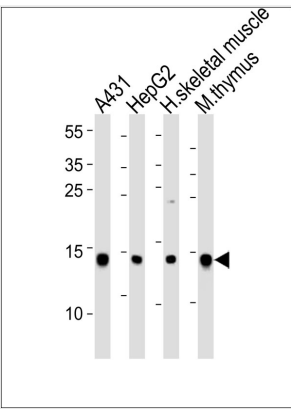
|                                                  |                                                                                                                                                                                           |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                    |
| Reactivity                                       | Human (Predicted Reactivity: Bovine, Mouse, Rat)                                                                                                                                          |
| Clonality                                        | Polyclonal                                                                                                                                                                                |
| Isotype                                          | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                      | This UBE2D1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 111-140 amino acids from the C-terminal region of human UBE2D1.                  |
| Purity/Purification                              | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                 |
| Form/Format                                      | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Concentration                                    | Vial Concentration: 2 (varies by lot)                                                                                                                                                     |
| Sequence Positions                               | 111-140                                                                                                                                                                                   |
| Sequence Length                                  | 147                                                                                                                                                                                       |
| Applicable Applications for anti-UBE2D1 antibody | WB (Western Blot), IHC (Immunohistochemistry), ELISA                                                                                                                                      |
| Antigen Type                                     | Synthetic Peptide                                                                                                                                                                         |
| Crown Antibody                                   | Yes                                                                                                                                                                                       |
| Antigen Source                                   | HUMAN                                                                                                                                                                                     |
| Preparation and Storage                          | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                    |



**IHC (Immunohistochemistry)**  
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



**IHC (Immunohistochemistry)**  
Immunohistochemical analysis of paraffin-embedded H. liver section using UBE2D1 Antibody (C-term). AAA287087 was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



**WB (Western Blot)**  
Western blot analysis of lysates from A431, HepG2 cell line, human skeletal muscle and mouse thymus tissue lysate(from left to right), using hUBE2D1-I126. AAA287087 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-UBE2D1 antibody | 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. UBE2D1 is 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. |
| Product Categories/Family for anti-UBE2D1 antibody   | Crown Antibodies; Cell Biology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| References                                           | Bres, V., et al., Nat. Cell Biol. 5(8):754-761 (2003).<br>Gehrke, S.G., et al., Blood 101(8):3288-3293 (2003).<br>Kamura, T., et al., Proc. Natl. Acad. Sci. U.S.A. 97(19):10430-10435 (2000).<br>Gutierrez, J.A., et al., Biochem. Biophys. Res. Commun. 253(3):739-742 (1998).<br>Jensen, J.P., et al., J. Biol. Chem. 270(51):30408-30414 (1995).                                                                                                                                                                                                                                                                                                                                                                                                         |

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                 | 16602                                        |
| NCBI Official Full Name          | ubiquitin-conjugating enzyme E2 D1 isoform 1 |
| NCBI Official Synonym Full Names | ubiquitin-conjugating enzyme E2D 1           |
| 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                | <b>UBE2D1</b>                                |
| UniProt Synonym Gene Names       | SFT; UBC5A; UBCH5; UBCH5A; SFT               |
| UniProt Entry Name               | UB2D1_HUMAN                                  |

**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-western-blot-immunohistochemistry-elisa/287087>