

UBE2D1 / UBC5 Antibody (clone 2C6)
Mouse Monoclonal Antibody
Catalog # ALS15740**Specification****UBE2D1 / UBC5 Antibody (clone 2C6) - Product Information**

Application	IHC, WB
Primary Accession	P51668
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	17kDa KDa

UBE2D1 / UBC5 Antibody (clone 2C6) - Additional Information**Gene ID** 7321**Other Names**

Ubiquitin-conjugating enzyme E2 D1, 6.3.2.19, 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, UBE2D1, SFT, UBC5A, UBCH5, UBCH5A

Target/Specificity

Human UBE2D1

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

UBE2D1 / UBC5 Antibody (clone 2C6) is for research use only and not for use in diagnostic or therapeutic procedures.

UBE2D1 / UBC5 Antibody (clone 2C6) - Protein Information**Name** UBE2D1**Synonyms** SFT, UBC5A, UBCH5, UBCH5A**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).

target="_blank">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).

Cellular Location

Cytoplasm.

Tissue Location

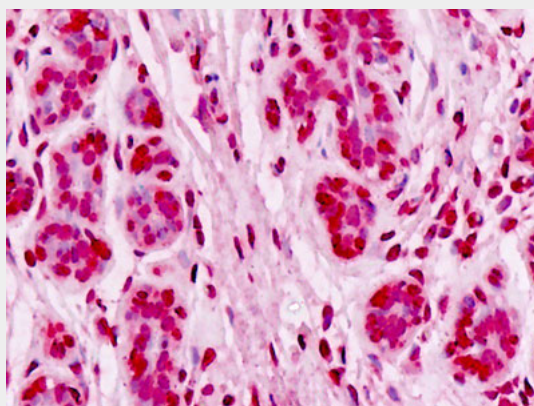
Ubiquitous. Up-regulated in livers of iron- overloaded patients with hereditary hemochromatosis

UBE2D1 / UBCH5 Antibody (clone 2C6) - Protocols

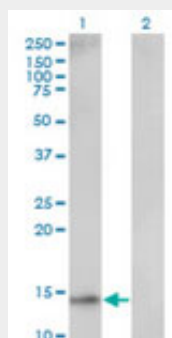
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

UBE2D1 / UBCH5 Antibody (clone 2C6) - Images



Anti-UBE2D1 / UBCH5 antibody IHC staining of human breast, epithelium.



Western blot of UBE2D1 expression in transfected 293T cell line by UBE2D1 monoclonal antibody...

UBE2D1 / UBCH5 Antibody (clone 2C6) - Background

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.

UBE2D1 / UBCH5 Antibody (clone 2C6) - References

Scheffner M.,et al.Proc. Natl. Acad. Sci. U.S.A. 91:8797-8801(1994).
Gehrke S.G.,et al.Blood 101:3288-3293(2003).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Deloukas P.,et al.Nature 429:375-381(2004).