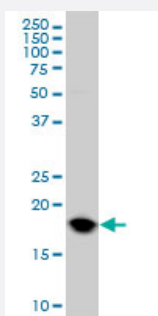


UBE2C monoclonal antibody (M01), clone 9D3

Catalog # H00011065-M01

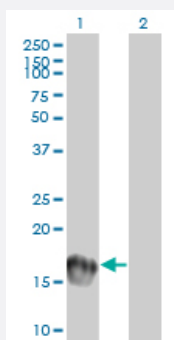
Size 100 ug

Applications



Western Blot (Cell lysate)

UBE2C monoclonal antibody (M01), clone 9D3 Western Blot analysis of UBE2C expression in HeLa (Cat # L013V1).

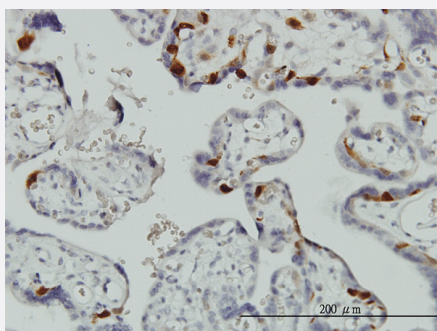


Western Blot (Transfected lysate)

Western Blot analysis of UBE2C expression in transfected 293T cell line by UBE2C monoclonal antibody (M01), clone 9D3.

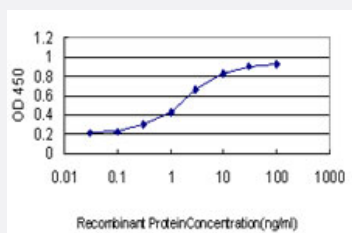
Lane 1: UBE2C transfected lysate(19.7 KDa).

Lane 2: Non-transfected lysate.



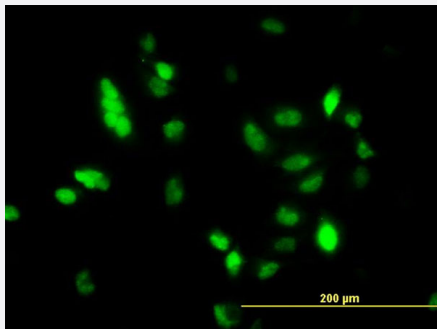
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to UBE2C on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]



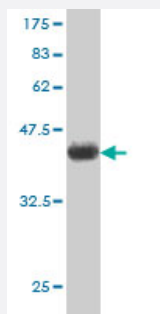
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged UBE2C is approximately 0.03ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to UBE2C on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant UBE2C.
Immunogen	UBE2C (NP_008950, 70 a.a. ~ 179 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	AGTVYEDLRYKLSLEFPSGYPYNAPT VKFLTPCYHPNVD TQGNICLDILKEKWSALYDVRTILLSIQS LLGEPNIDSPLNTHAAELWKNPTAFKKYLQETYSKQVTSQEP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (96)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

UBE2C monoclonal antibody (M01), clone 9D3 Western Blot analysis of UBE2C expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of UBE2C expression in transfected 293T cell line by UBE2C monoclonal antibody (M01), clone 9D3.

Lane 1: UBE2C transfected lysate(19.7 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to UBE2C on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged UBE2C is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to UBE2C on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — UBE2C

Entrez GeneID [11065](#)

GeneBank Accession# [NM_007019](#)

Protein Accession# [NP_008950](#)

Gene Name	UBE2C
Gene Alias	UBCH10, dJ447F3.2
Gene Description	ubiquitin-conjugating enzyme E2C
Omim ID	605574
Gene Ontology	Hyperlink
Gene Summary	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 required for the destruction of mitotic cyclins and for cell cycle progression. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000031653 OTTHUMP00000031655 cyclin-selective ubiquitin carrier protein mitotic-specific ubiquitin-conjugating enzyme ubiquitin carrier protein E2-C ubiquitin-protein ligase C

Publication Reference

- [UBE2C Drives Human Cervical Cancer Progression and Is Positively Modulated by mTOR.](#)

An-Jen Chiang, Chia-Jung Li, Kuan-Hao Tsui, Chung Chang, Yuan-Chin Ivan Chang, Li-Wen Chen, Tsung-Hsien Chang, Jim Jinn-Chyuan Sheu.

Biomolecules 2020 Dec; 11(1):37.

Application: IF, IHC-P, WB-Ce, WB-Ti, WB-Tr, Human, CaSki, CC7T, HeLa cells, Human cervical squamous cell carcinoma, Human tissue microarray

- [UBE2C is a Potential Biomarker for Tumorigenesis and Prognosis in Tongue Squamous Cell Carcinoma.](#)

Pei-Feng Liu, Chun-Feng Chen, Chih-Wen Shu, Hui-Min Chang, Cheng-Hsin Lee, Huei-Han Liou, Luo-Ping Ger, Chun-Lin Chen, Bor-Hwang Kang.

Diagnostics (Basel, Switzerland) 2020 Sep; 10(9):674.

Application: IHC-P, WB-Tr, Human, Ca9-22 cells, Human tongue squamous cell carcinoma, SAS cells

- [Inhibition of Neointima Hyperplasia, Inflammation, and Reactive Oxygen Species in Balloon-Injured Arteries by HVJ Envelope Vector-Mediated Delivery of Superoxide Dismutase Gene.](#)

Lin SL, Yeh JL, Tsai PC, Chang TH, Huang WC, Lee ST, Wassler M, Geng YJ, Sulistyowati E.

Translational Stroke Research 2018 Sep; [Epub].

Application: IHC-P, Rat, Aortic artery

- [The clinicopathological significance of UBE2C in breast cancer: a study based on immunohistochemistry, microarray and RNA-sequencing data.](#)

Mo CH, Gao L, Zhu XF, Wei KL, Zeng JJ, Chen G, Feng ZB.

Cancer Cell International 2017 Sep; 17:83.

Application: IHC-P, Human, Human breast carcinoma

- [Forkhead Box M1 positively regulates UBE2C and protects glioma cells from autophagic death.](#)

Guo L, Ding Z, Huang N, Huang Z, Zhang N, Xia Z.

Cell Cycle (Georgetown, Tex.) 2017 Aug; 16(18):1705.

Application: IF, IHC-P, WB-Ce, WB-Ti, WB-Tr, Human, Human glioma and normal brain tissues, Ln18, MG U87, U251, U373 cells

- [APLP2, RRM2 and PRC1: new putative markers for the differential diagnosis of thyroid follicular lesions.](#)

Castelblanco E, Zafón C, Maravall J, Gallel P, Martinez M, Capel I, Bella-Cueto MR, Halperin I, Temprana-Salvador J, Iglesias C, Puig-Domingo M, Robledo M, Matias-Guiu X, Mauricio D.

Thyroid : Official Journal of the American Thyroid Association 2017 Jan; 27(1):59.

Application: IHC-P, Human, Human thyroid tumors

- [Ubiquitin-Conjugating Enzyme UBE2C Is Highly Expressed in Breast Microcalcification Lesions.](#)

Chou CP, Huang NC, Jhuang SJ, Pan HB, Peng NJ, Cheng JT, Chen CF, Chen JJ, Chang TH.

PLoS One 2014 Apr; 9(4):e93934.

Application: IHC-P, WB-Ce, WB-Tr, Human, Breast, MCF-7, MDA MB-231 cells

- [Oligonucleotide Microarray Identifies Genes Differentially Expressed during Tumorigenesis of DMBA-Induced Pancreatic Cancer in Rats.](#)

Guo JC, Li J, Yang YC, Zhou L, Zhang TP, Zhao YP.

PLoS One 2013 Dec; 8(12):e82910.

Application: IHC, Rat, Pancreas

- [UBE2C is a marker of unfavorable prognosis in bladder cancer after radical cystectomy.](#)

Morikawa T, Kawai T, Abe H, Kume H, Homma Y, Fukayama M.

International Journal of Clinical and Experimental Pathology 2013 Jun; 6(7):1367.

Application: IHC, Human, Bladder

- [Multicenter validation of cyclin D1, MCM7, TRIM29, and UBE2C as prognostic protein markers in non-muscle-invasive bladder cancer.](#)

Fristrup N, Birkenkamp-Demtröder K, Reinert T, Sanchez-Carbayo M, Segersten U, Malmström PU, Palou J, Alvarez-Múgica M, Pan CC, Ulhøi BP, Borre M, Ørntoft TF, Dyrskjød L.

The American Journal of Pathology 2013 Feb; 182(2):339.

Application: IHC, Human, Bladder Cancer

- [A study of Ubch10 expression and its association with recurrence of meningiomas.](#)

Jiang L, Wang T, Bao Y, Qian J, Wu XJ, Hu GH, Lu YC.

Journal of Surgical Oncology 2012 Sep; 106(3):327.

Application: IHC-P, Human, Human meningiomas

- [Association of clinicopathological features with Ubch10 expression in colorectal cancer.](#)

Chen S, Chen Y, Hu C, Jing H, Cao Y, Liu X.

Journal of Cancer Research and Clinical Oncology 2010 Mar; 136(3):419.

Application: IHC, WB, Human, Colorectal tissue, HT-29 cells

- [Expression of ubiquitin-conjugating enzyme E2C/Ubch10 in astrocytic tumors.](#)

Jiang L, Huang CG, Lu YC, Luo C, Hu GH, Liu HM, Chen JX, Han HX.

Brain Research 2008 Jan; 1201:161.

Application: IHC-P, Human, Human astrocytic tumors

Pathway

- [Ubiquitin mediated proteolysis](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)