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UBE2D1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant UBE2D1.
Catalog # AT4431a

Product Information

Application	WB, IHC, E
Primary Accession	P51668
Other Accession	NM_003338
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2C6
Calculated MW	16602

Additional Information

Gene ID	7321
Other Names	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, UBE2D1, SFT, UBC5A, UBCH5, UBCH5A
Target/Specificity	UBE2D1 (NP_003329, 1 a.a. ~ 94 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	UBE2D1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

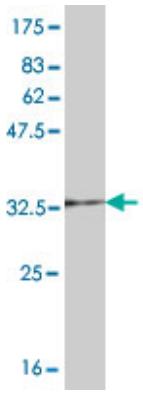
Background

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.

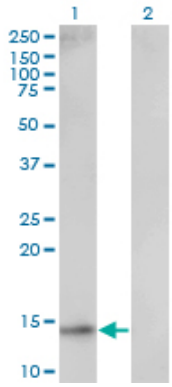
References

1.The stability of HSV-1 ICP0 early after infection is defined by the RING finger and the UL13 protein kinase.Zhu Z, Du T, Zhou G, Roizman BJ Virol. 2014 Feb 26.

Images

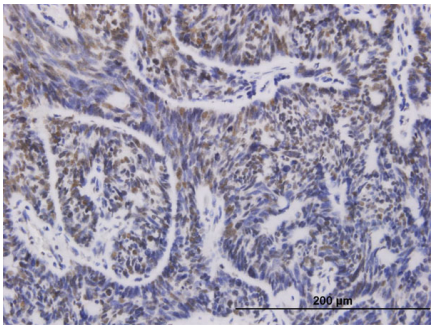


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.08 KDa) .

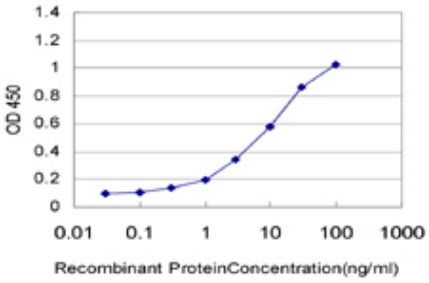


Western Blot analysis of UBE2D1 expression in transfected 293T cell line by UBE2D1 monoclonal antibody (M01), clone 2C6.

Lane 1: UBE2D1 transfected lysate(16.6 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to UBE2D1 on formalin-fixed paraffin-embedded human cervix cancer. [antibody concentration 1 ug/ml]



Detection limit for recombinant GST tagged UBE2D1 is approximately 0.3ng/ml as a capture antibody.