

UBE2M Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant UBE2M.

Catalog # AT4440a

Specification

UBE2M Antibody (monoclonal) (M01) - Product Information

Application	WB, IF, E
Primary Accession	P61081
Other Accession	BC058924
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Calculated MW	20900

UBE2M Antibody (monoclonal) (M01) - Additional Information

Gene ID 9040

Other Names

NEDD8-conjugating enzyme Ubc12, 632-, NEDD8 carrier protein, NEDD8 protein ligase, Ubiquitin-conjugating enzyme E2 M, UBE2M, UBC12

Target/Specificity

UBE2M (AAH58924, 1 a.a. ~ 183 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IF~~1:50~200

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

UBE2M Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

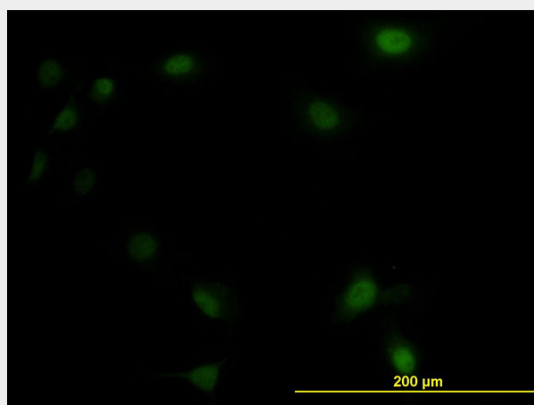
UBE2M Antibody (monoclonal) (M01) - Protocols

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

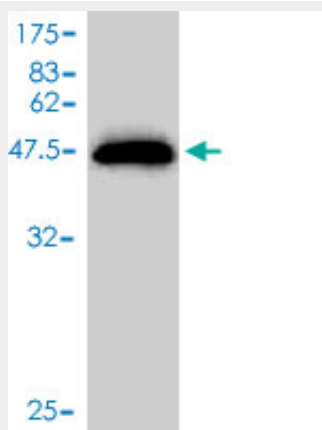
- [Western Blot](#)

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

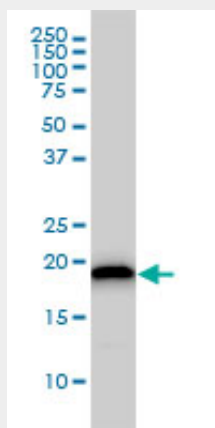
UBE2M Antibody (monoclonal) (M01) - Images



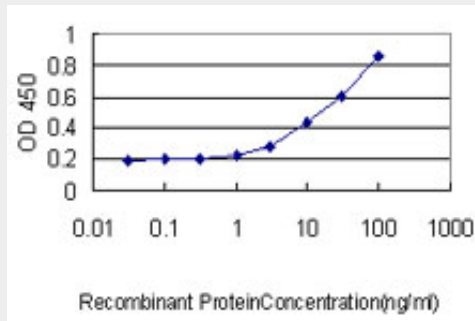
Immunofluorescence of monoclonal antibody to UBE2M on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (45.87 KDa) .



UBE2M monoclonal antibody (M01), clone 3C4 Western Blot analysis of UBE2M expression in Jurkat (Cat # AT4440a)



Detection limit for recombinant GST tagged UBE2M is approximately 0.1ng/ml as a capture antibody.

UBE2M Antibody (monoclonal) (M01) - 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. The encoded protein is linked with a ubiquitin-like protein, NEDD8, which can be conjugated to cellular proteins, such as Cdc53/culin.

UBE2M Antibody (monoclonal) (M01) - References

1. Application of an integrated physical and functional screening approach to identify inhibitors of the Wnt pathway. Miller BW, Lau G, Grouios C, Mollica E, Barrios-Rodiles M, Liu Y, Datti A, Morris Q, Wrana JL, Attisano L. *Molecular Systems Biology* 5; Article number 315; doi:10.1038 /msb.2009.72