

UBE2G2 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant UBE2G2.****Catalog # AT4436a****Specification**

UBE2G2 Antibody (monoclonal) (M01) - Product Information

Application	WB, IHC, E
Primary Accession	P60604
Other Accession	NM_003343
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	18566

UBE2G2 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 7327**Other Names**

Ubiquitin-conjugating enzyme E2 G2, Ubiquitin carrier protein G2, Ubiquitin-protein ligase G2, UBE2G2

Target/Specificity

UBE2G2 (NP_003329, 1 a.a. ~ 87 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

UBE2G2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

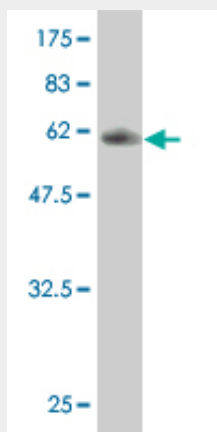
UBE2G2 Antibody (monoclonal) (M01) - Protocols

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

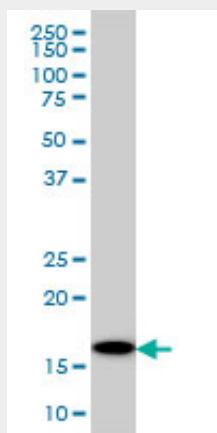
- [Western Blot](#)

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

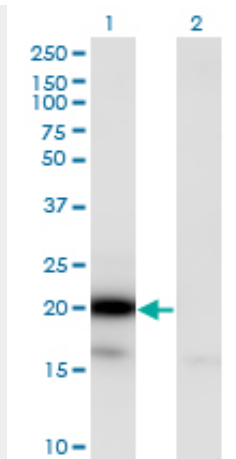
UBE2G2 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.31 kDa) .



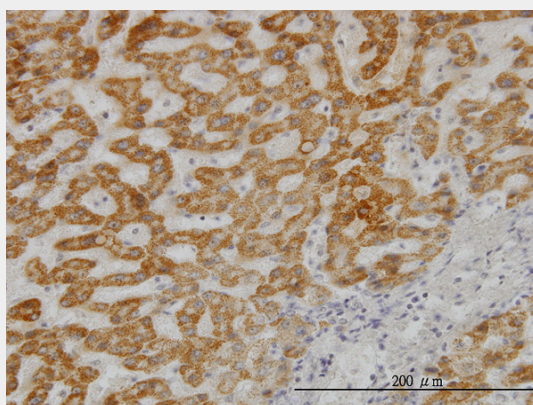
UBE2G2 monoclonal antibody (M01), clone 5E1 Western Blot analysis of UBE2G2 expression in HeLa ((Cat # AT4436a)



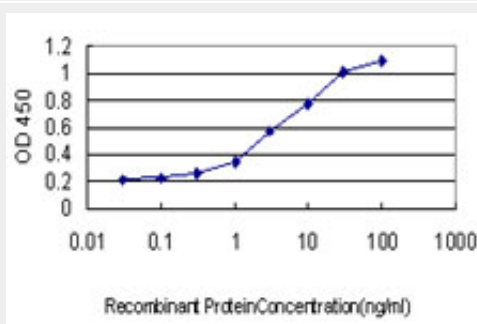
Western Blot analysis of UBE2G2 expression in transfected 293T cell line by UBE2G2 monoclonal antibody (M01), clone 5E1.

Lane 1: UBE2G2 transfected lysate(15.6 KDa).

Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to UBE2G2 on formalin-fixed paraffin-embedded human liver. [antibody concentration 1 ug/ml]



Detection limit for recombinant GST tagged UBE2G2 is approximately 0.1ng/ml as a capture antibody.

UBE2G2 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 shares 100% sequence identity with the mouse counterpart. This gene is ubiquitously expressed, with high expression seen in adult muscle. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

UBE2G2 Antibody (monoclonal) (M01) - References

1. Ataxin-3 Deubiquitination Is Coupled to Parkin Ubiquitination via E2 Ubiquitin-conjugating Enzyme. Durcan TM, Kontogiannina M, Bedard N, Wing SS, Fon EA. J Biol Chem. 2012 Jan 2;287(1):531-41. Epub 2011 Nov 11.