10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

UBE2A Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant UBE2A.
Catalog # AT4427a

Specification

UBE2A Antibody (monoclonal) (M01) - Product Information

Application	**WB**
Primary Accession	P49459
Other Accession	BC010175
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 kappa**
Calculated MW	**17315**

UBE2A Antibody (monoclonal) (M01) - Additional Information

Gene ID 7319

Other Names
Ubiquitin-conjugating enzyme E2 A, RAD6 homolog A, HR6A, hHR6A, Ubiquitin carrier protein A, Ubiquitin-protein ligase A, UBE2A, RAD6A

Target/Specificity
UBE2A (AAH10175, 1 a.a. ~ 152 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

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
UBE2A Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

UBE2A Antibody (monoclonal) (M01) - Protocols

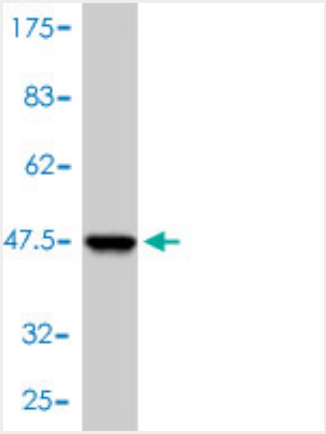
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

UBE2A Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (42.46 KDa) .

UBE2A 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. This enzyme is required for post-replicative DNA damage repair. Multiple alternatively spliced transcript variants have been found for this gene and they encode distinct isoforms.

UBE2A Antibody (monoclonal) (M01) - References

UBE2A, which encodes a ubiquitin-conjugating enzyme, is mutated in a novel X-linked mental retardation syndrome. Nascimento RM, et al. Am J Hum Genet, 2006 Sep. PMID 16909393.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.ZNF198 protein, involved in rearrangement in myeloproliferative disease, forms complexes with the DNA repair-associated HHR6A/6B and RAD18 proteins. Kunapuli P, et al. Oncogene, 2003 May 29. PMID 12776193.Supramolecular complex formation between Rad6 and proteins of the p53 pathway during DNA damage-induced response. Lyakhovich A, et al. Mol Cell Biol, 2003 Apr. PMID 12640129.RFPL4 interacts with oocyte proteins of the ubiquitin-proteasome degradation pathway. Suzumori N, et al. Proc Natl Acad Sci U S A, 2003 Jan 21. PMID 12525704.