

UBE4A Antibody (monoclonal) (M08)**Mouse monoclonal antibody raised against a partial recombinant UBE4A.****Catalog # AT4446a****Specification**

UBE4A Antibody (monoclonal) (M08) - Product Information

Application	WB, IF, E
Primary Accession	Q14139
Other Accession	NM_004788
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	122561

UBE4A Antibody (monoclonal) (M08) - Additional Information**Gene ID** 9354**Other Names**

Ubiquitin conjugation factor E4 A, 632-, UBE4A (HGNC:12499)

Target/Specificity

UBE4A (NP_004779, 974 a.a. ~ 1073 a.a) partial 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

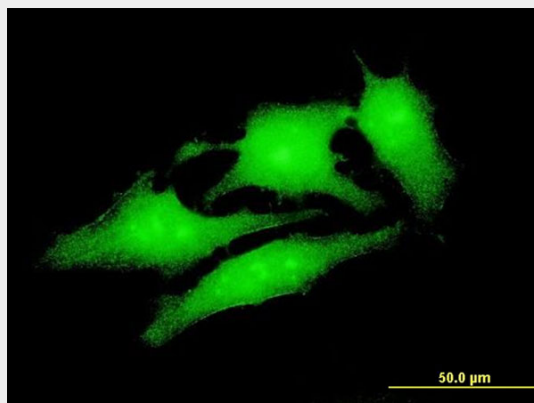
UBE4A Antibody (monoclonal) (M08) is for research use only and not for use in diagnostic or therapeutic procedures.

UBE4A Antibody (monoclonal) (M08) - Protocols

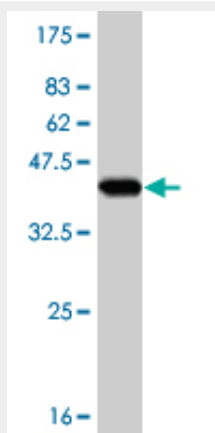
Provided below are standard protocols that you may find useful for product applications.

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

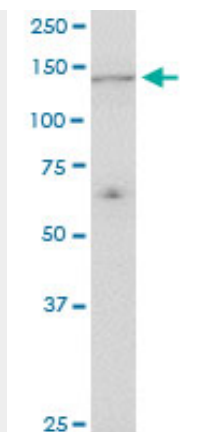
UBE4A Antibody (monoclonal) (M08) - Images



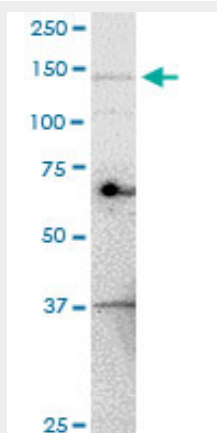
Immunofluorescence of monoclonal antibody to UBE4A on HeLa cell . [antibody concentration 10 ug/ml]



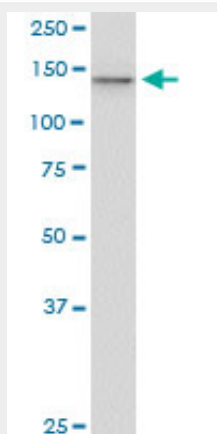
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .



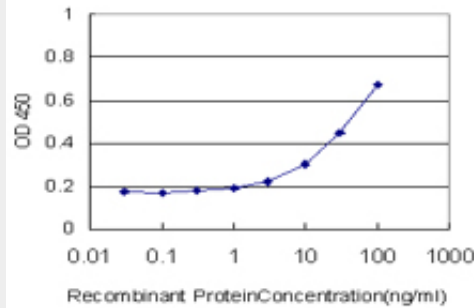
UBE4A monoclonal antibody (M08), clone 1G8. Western Blot analysis of UBE4A expression in PC-12.



UBE4A monoclonal antibody (M08), clone 1G8. Western Blot analysis of UBE4A expression in NIH/3T3.



UBE4A monoclonal antibody (M08), clone 1G8. Western Blot analysis of UBE4A expression in K-562.



Detection limit for recombinant GST tagged UBE4A is approximately 3ng/ml as a capture antibody.

UBE4A Antibody (monoclonal) (M08) - 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 an additional conjugation factor, E4, which is involved in multiubiquitin chain assembly.

UBE4A Antibody (monoclonal) (M08) - References

CBP and p300 are cytoplasmic E4 polyubiquitin ligases for p53. Shi D, et al. Proc Natl Acad Sci U S A, 2009 Sep 22. PMID 19805293. Autoantibodies against ubiquitination factor E4A (UBE4A) are associated with severity of Crohn's disease. Sakiyama T, et al. Inflamm Bowel Dis, 2008 Mar. PMID 18069675. [Differential expression of USP2, USP14 and UBE4A between ovarian serous cystadenocarcinoma and adjacent normal tissues] Yang Y, et al. Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi, 2007 Jun. PMID 17553343. Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931. Ufd2, a novel autoantigen in scleroderma, regulates sister chromatid separation. Spinette S, et al. Cell Cycle, 2004 Dec. PMID 15611659.