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CUL7 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CUL7.
Catalog # AT1683a

Specification

CUL7 Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	Q14999
Other Accession	BC033647
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 kappa**
Calculated MW	**191161**

CUL7 Antibody (monoclonal) (M01) - Additional Information

Gene ID 9820

Other Names
Cullin-7, CUL-7, CUL7, KIAA0076

Target/Specificity
CUL7 (AAH33647, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000
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
CUL7 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

CUL7 Antibody (monoclonal) (M01) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot

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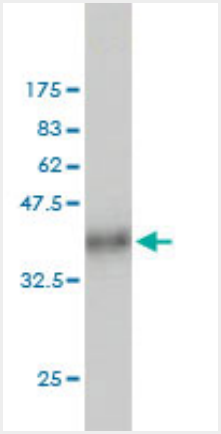
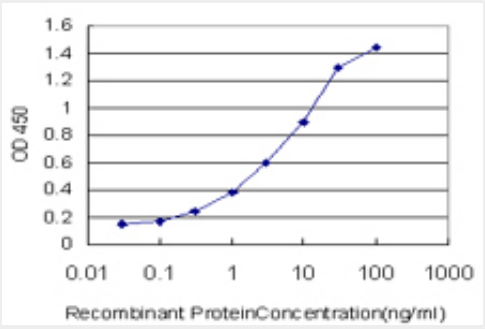
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CUL7 Antibody (monoclonal) (M01) - Images



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



Detection limit for recombinant GST tagged CUL7 is approximately 0.03ng/ml as a capture antibody.

CUL7 Antibody (monoclonal) (M01) - Background

The protein encoded by this gene is a component of an E3 ubiquitin-protein ligase complex. The encoded protein interacts with TP53, CUL9, and FBXW8 proteins. Defects in this gene are a cause of 3M syndrome type 1 (3M1). Two transcript variants encoding different isoforms have been found for this gene.

CUL7 Antibody (monoclonal) (M01) - References

Cullins in human intra-uterine growth restriction: expressional and epigenetic alterations. Gascoin-Lachambre G, et al. Placenta, 2010 Feb. PMID 20005570.A large-scale mutation search reveals genetic heterogeneity in 3M syndrome. Huber C, et al. Eur J Hum Genet, 2009 Mar. PMID 19225462.CUL7 is a novel antiapoptotic oncogene. Kim SS, et al. Cancer Res, 2007 Oct 15. PMID 17942889.Clinical, molecular and histopathological features of short stature syndrome with novel CUL7 mutation in Yakuts: new population isolate in Asia. Maksimova N, et al. J Med Genet, 2007 Dec. PMID 17675530.Induction of cullin 7 by DNA damage attenuates p53 function. Jung P, et al. Proc Natl Acad Sci U S A, 2007 Jul 3. PMID 17586686.