

# CUL7 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CUL7.

Catalog # AT1683a

## Product Information

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Application	WB, E
Primary Accession	<a href="#">Q14999</a>
Other Accession	<a href="#">BC033647</a>
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	2G11
Calculated MW	191161

## Additional Information

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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.

## Background

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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.

## References

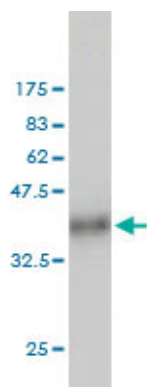
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Cullins in human intra-uterine growth restriction: expressional and epigenetic alterations. Gascoin-Lachambre G, et al. Placenta, 2010 Feb. PMID 20005570. A large-scale mutation search reveals genetic heterogeneity in 3M syndrome. Huber C, et al. Eur 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

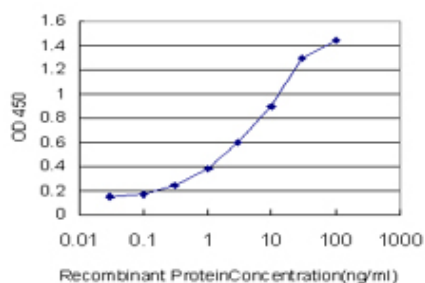
and histopathological features of short stature syndrome with novel CUL7 mutation in Yakuts: new population isolate in Asia. Maksimova N, et al. J Med Genet, 2007 Dec. PMID 17675530. Induction of cullin 7 by DNA damage attenuates p53 function. Jung P, et al. Proc Natl Acad Sci U S A, 2007 Jul 3. PMID 17586686.

## Images

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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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.