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Datasheet for ABIN3043009 anti-Cullin 2 antibody (Middle Region)

3 Images



Overview

Quantity:	100 µg
Target:	Cullin 2 (CUL2)
Binding Specificity:	AA 264-280, Middle Region
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cullin 2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Cullin-2(CUL2) detection. Tested with WB in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human Cullin 2(264- 280aa HECQQRMVADHLQFLHA), different from the related mouse and rat sequences by one amino acid.
Sequence:	HECQQRMVAD HLQFLHA
lsotype:	lgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.

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Product Details	
Characteristics:	Rabbit IgG polyclonal antibody for Cullin-2(CUL2) detection. Tested with WB in
	Human,Mouse,Rat.
	Gene Name: cullin 2
	Protein Name: Cullin-2
Purification:	Immunogen affinity purified.
Target Details	
Target:	Cullin 2 (CUL2)
Alternative Name:	CUL2 (CUL2 Products)
Background:	Cullin 2(CUL2) is a protein that in humans is encoded by the CUL2 gene. Using
	immunofluorescence, they showed that CUL2 is a cytosolic protein that can be translocated to
	the nucleus by VHL. By fluorescence in situ hybridization, Clifford et al.(1999)mapped the CUL2
	gene to 10p11.2-p11.1, a region reported to show loss of heterozygosity(LOH) in several forms
	of human cancer, including non-clear cell renal cell carcinoma. Pause et al.(1997)suggested
	that CUL2 is a candidate tumor suppressor gene, as has been proposed for CUL1(603134).
	Lonergan et al.(1998) demonstrated that formation of the VBC-CUL2 complexes is linked to the
	regulation of hypoxia-inducible mRNAs by VHL. Cul2 was one of several proteins required for
	degradation of a class of RNA-binding germline proteins in somatic cells of the early
	blastomere.
	Synonyms: Cul2 antibody CUL 2 antibody CUL-2 antibody CUL2 antibody CUL2_HUMAN
	antibody cullin 2 antibody cullin homolog 2 antibody Cullin-2 antibody MGC131970 antibody
UniProt:	Q13617
Pathways:	M Phase, Asymmetric Protein Localization, SARS-CoV-2 Protein Interactome
Application Details	
Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse, The
	detection limit for CUL2 is approximately 2.5 ng/lane under reducing conditions.
	Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be
	fit for the product based on sequence similarities.
	Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

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Application Details

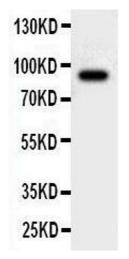
Restrictions:

For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 μ g/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Anti-Cullin 2 antibody, Western blotting WB: Rat Brain Tissue Lysate

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70KI	D			
55KI	D-			
35K	D-			
25K	D-			
15K	D-			

Nestern	Blotting

Image 2. Anti-Cullin 2 antibody, Western blotting Lane 1: A431 Cell Lysate Lane 2: SMMC Cell Lysate Lane 3: HELA Cell Lysate Lane 4: COLO320 Cell Lysate

Western Blotting

Image 3. Lane 3: Recombinant Human Cul2 Protein 2.5ng

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