

CDK2 Recombinant Rabbit Monoclonal Antibody (SR01-01)

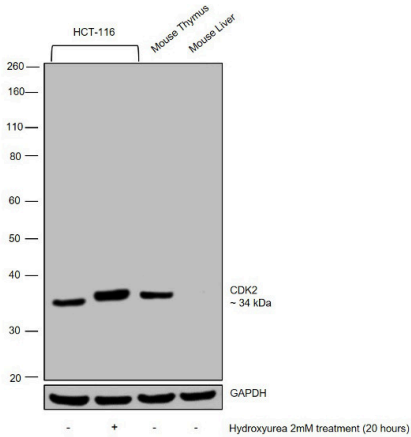
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Human
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	SR01-01
Conjugate	Unconjugated
Immunogen	Synthetic peptide within Human Cdk2 aa 249-298
Form	Liquid
Concentration	1.0 mg/mL
Purification	Protein A
Storage buffer	TBS, pH 7.4, with 40% Glycerol, 0.05% BSA
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2809311

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:5,000	1 Publication
Immunohistochemistry (IHC)	1:50-1:200	-
Immunocytochemistry (ICC/IF)	1:50-1:200	-

Product Specific Information

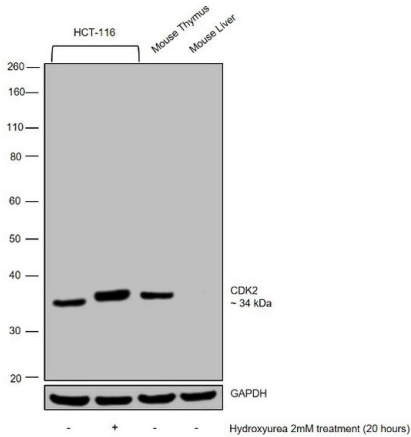
Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

Product Images For CDK2 Recombinant Rabbit Monoclonal Antibody (SR01-01)



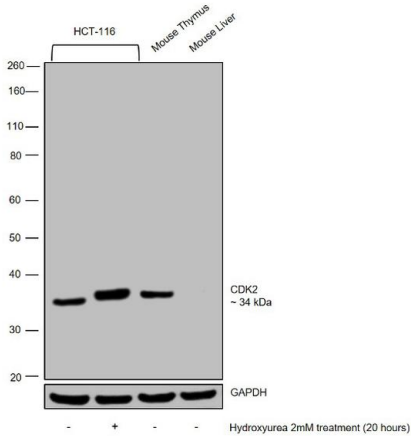
CDK2 Antibody (MA5-32017)

Antibody specificity was demonstrated by detection of differential basal expression of the target across tissues owing to their inherent genetic constitution. Relative expression of CDK2 was observed in Mouse Thymus in comparison to Mouse Liver using Anti-CDK2 Monoclonal antibody (SR01-01) (Product # MA5-32017) in Western Blot. {RE}



CDK2 Antibody (MA5-32017) in WB

Western blot was performed using Anti-CDK2 Monoclonal Antibody (Product # MA5-32017) and a 34 kDa band corresponding to CDK2 was increased upon Hydroxyurea treatment in HCT-116 cell line and was also observed in Mouse Thymus tissue extracts but not in Mouse Liver as reported in literatures. Whole cell extracts (30 µg lysate) of HCT-116 (untreated) (Lane 1), HCT-116 treated with Hydroxyurea (2mM for 20 hours) (Lane 2), tissue extracts of Mouse Thymus (Lane 3) and Mouse Liver (Lane 4) were electrophoresed using Novex® NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:2000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using SuperSignal™ West Dura Extended Duration Substrate (Product # 34076).



CDK2 Antibody (MA5-32017)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using CDK2 Recombinant Rabbit Monoclonal Antibody (SR01-01) (Product # MA5-32017), shows increased expression of proteins in HCT-116 cells upon Hydroxyurea treatment. {TM}

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Western Blot (1)

<p>Molecular medicine reports</p> <p>Silencing of longchain noncoding RNA GAS5 in osteoarthritic chondrocytes is mediated by targeting the miR34a/Bcl2 axis.</p> <p>"MA5-32017 was used in Western Blot to indicate that GAS5 participated in the development of OA by regulating the biological behavior of chondrocytes via the miR,34a/Bcl,2 axis."</p> <p>Authors: Ji Q,Qiao X,Liu Y,Wang D,Yan J</p>	<p>Year 2020</p> <p>Species Human</p> <p>Dilution 1:2000</p>
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