

Datasheet for ABIN1881141  
**anti-CBS antibody (N-Term)**[Go to Product page](#)

5 Images

2 Publications

## Overview

Quantity:	400 µL
Target:	CBS
Binding Specificity:	AA 104-133, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CBS antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

## Product Details

Immunogen:	This CBS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 104-133 amino acids from the N-terminal region of human CBS.
Clone:	RB22961
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	CBS
Alternative Name:	CBS ( <a href="#">CBS Products</a> )

## Target Details

Background:	CBS acts as a homotetramer to catalyze the conversion of homocysteine to cystathionine, the first step in the transsulfuration pathway. This protein is allosterically activated by adenosyl-methionine and uses pyridoxal phosphate as a cofactor. Defects in this gene can cause cystathionine beta-synthase deficiency (CBS), which can lead to homocystinuria.
Molecular Weight:	60587
NCBI Accession:	<a href="#">NP_000062</a> , <a href="#">NP_001171479</a> , <a href="#">NP_001171480</a>
UniProt:	<a href="#">P35520</a>

## Application Details

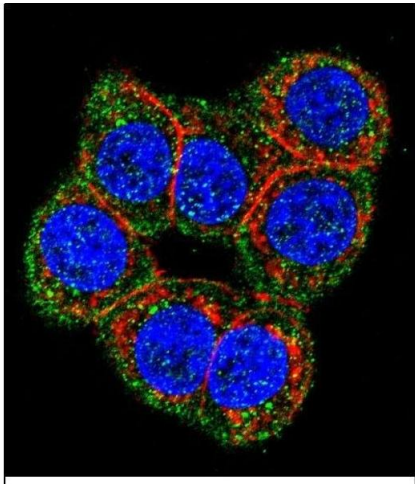
Application Notes:	IF: 1:10~50. WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Expiry Date:	6 months

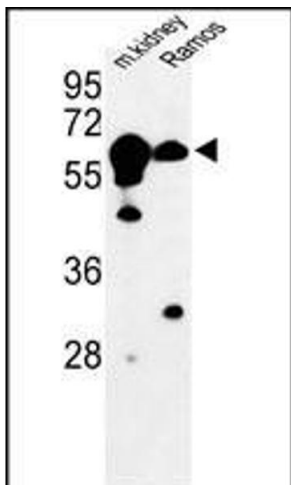
## Publications

Product cited in:	Maeda, Inoguchi, Takei, Sawada, Sasaki, Fujii, Kobayashi, Urata, Nishiyama, Takayanagi: "Inhibition of chymase protects against diabetes-induced oxidative stress and renal dysfunction in hamsters." in: <b>American journal of physiology. Renal physiology</b> , Vol. 299, Issue 6, pp. F1328-38, (2010) ( <a href="#">PubMed</a> ).
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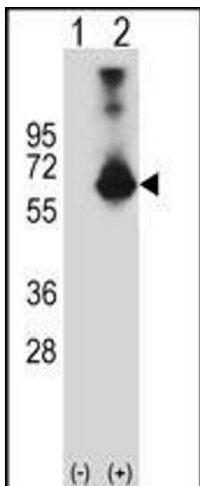
### Immunofluorescence

**Image 1.** Confocal immunofluorescent analysis of CBS Antibody (N-term) (ABIN1881141 and ABIN2841140) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



### Western Blotting

**Image 2.** Western blot analysis of CBS Antibody (N-term) (ABIN1881141 and ABIN2841140) in mouse kidney tissue and Ramos cell line lysates (35 µg/lane). CBS (arrow) was detected using the purified Pab.



### Western Blotting

**Image 3.** Western blot analysis of CBS (arrow) using rabbit polyclonal CBS Antibody (N-term) (ABIN1881141 and ABIN2841140). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CBS gene.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN1881141.