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# anti-CBS antibody (N-Term)



Overview

8

**Publications** 



Go to Product page

Quantity:	100 μL
Target:	CBS
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Cow, Guinea Pig, Horse, Saccharomyces cerevisiae, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Coniugate:	This CBS antibody is un-conjugated

Western Blotting (WB), Immunohistochemistry (IHC)

#### **Product Details**

Application:

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CBS
Sequence:	RCIIVMPEKM SSEKVDVLRA LGAEIVRTPT NARFDSPESH VGVAWRLKNE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 86%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against CBS. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

### **Target Details**

## Target Details

Alternative Name:	CBS (CBS Products)
Background:	CBS is involved in the transsulfuration pathway. The first step of this pathway, from
	homocysteine to cystathionine, is catalyzed by this protein. CBS deficiency can cause
	homocystinuria which affects many organs and tissues, including the eyes and the skeletal,
	vascular and central nervous systems. The protein encoded by this gene is involved in the
	transsulfuration pathway. The first step of this pathway, from homocysteine to cystathionine, is
	catalyzed by this protein. CBS deficiency can cause homocystinuria which affects many organs
	and tissues, including the eyes and the skeletal, vascular and central nervous systems.
	Alias Symbols: HIP4
	Protein Interaction Partner: UBASH3A, UBE2I, PSMA1, PRKAG1, PIN1, EHHADH, CBS, SUM01,
	UBC, NEDD8, PIAS3, RANBP9, PIAS1, CBX4, SRP14, RAD23B, PKM, NUCB1, IREB2, HSF1,
	LRSAM1, C14orf142, UBA5, IPO4, GOPC, PARP6, NPLOC4, DERA, ERO1L, DBNL, GPN1, PDLIM5,
	PLIN3, UBA2, GPSM1, COL4A3BP, UGP  Protein Size: 551
Molecular Weight:	60 kDa
Gene ID:	875
NCBI Accession:	NM_000071, NP_000062
UniProt:	P35520
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 551 AA
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %
	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

#### Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

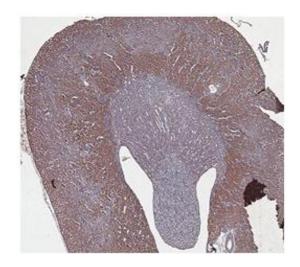
#### **Publications**

Product cited in:

Gerhard, Wagner, Feingold, Shenmen, Grouse, Schuler, Klein, Old, Rasooly, Good, Guyer, Peck, Derge, Lipman, Collins, Jang, Sherry, Feolo, Misquitta, Lee, Rotmistrovsky, Greenhut, Schaefer, Buetow et al.: "The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). ..." in: **Genome research**, Vol. 14, Issue 10B, pp. 2121-7, (2004) (PubMed).

There are more publications referencing this product on: Product page

#### **Images**



#### **Immunohistochemistry**

Image 1. Mouse Brain

170 —
130 —
100 —
70 —
55 —
40 —
35 —
25 —
Human Mouse
LCL Brain

CBS- 60/70 kDa

#### (ARP45746\_T100)

Western Blot

Human LCL and Mouse Brain

Dilution: 1 to 500

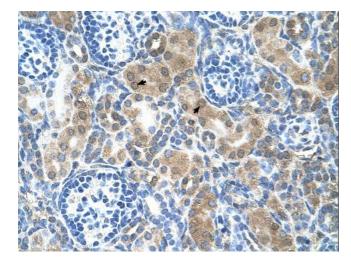
5% Milk

Application data in forum

Submitted by: Katheleen Gardiner University of Colorado Denver Image 2.



Image 3.



Please check the product details page for more images. Overall 8 images are available for ABIN2782348.