

Datasheet for ABIN2779672
anti-CBX5 antibody (Middle Region)



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3 Images

Overview

Quantity:	100 µL
Target:	CBX5
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Pig, Rabbit, Sheep, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CBX5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CBX5
Sequence:	KYKKMKEGEN NKPREKSESN KRKSNFNSA DDIKSKKKRE QSNDIARGFE
Predicted Reactivity:	Cow: 100%, Dog: 93%, Horse: 100%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against CBX5. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	CBX5
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Target Details

Alternative Name:	CBX5 (CBX5 Products)
Background:	<p>CBX5 is a methyl-lysine binding protein localized at heterochromatin sites, where it mediates gene silencing.</p> <p>Alias Symbols: HP1, HP1A</p> <p>Protein Interaction Partner: SUV39H1, SP100, SUV39H2, WHSC1L1, VPS28, GOLGA8EP, SENP7, TRIM28, HIST3H3, RARA, UBC, ZBTB16, MDM2, XRN1, SRPK2, SRPK1, PRR14, EHMT2, MCC, TCEB1, TRIM39, BGLAP, BCL7A, ACTL6A, MIS12, ZNF747, ZNF649, WIZ, ZNF462, ZNF302, LRIF1, CDCA8, ZNF280D, AHDC1, NARF,</p> <p>Protein Size: 191</p>
Molecular Weight:	22 kDa
Gene ID:	23468
NCBI Accession:	NM_012117, NP_036249
UniProt:	P45973

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 191 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 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

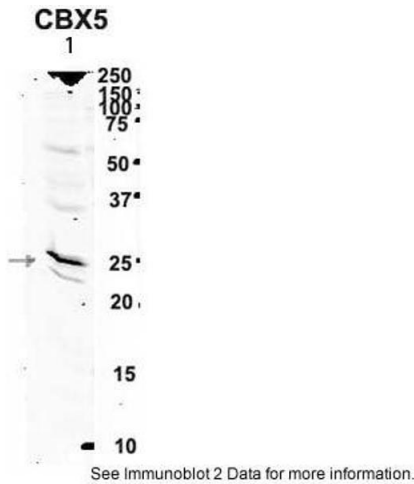
aliquots to prevent freeze-thaw cycles.

Images



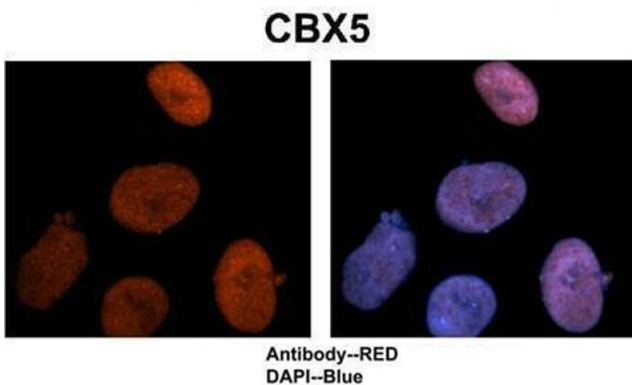
Western Blotting

Image 1. WB Suggested Anti-CBX5 Antibody Titration: 1.25ug/ml Positive Control: Human brain



Western Blotting

Image 2.



See IHC 2 Data and Customer Feedback for more information

Immunohistochemistry

Image 3. Sample Type : Human NT-2 cells Primary Antibody Dilution : 1:500 Secondary Antibody : Goat anti-rabbit Alexa-Fluor 594 Secondary Antibody Dilution : 1:1000 Color/Signal Descriptions : CBX5: Red DAPI:Blue Gene Name : CBX5 Submitted by : Dr. Yuzhi Chen, University of Arkansas for Medical Science