Datasheet for ABIN2787656

anti-CBX2 antibody (Middle Region)

2 Images

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Overview

Quantity:	100 µL
Target:	CBX2
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Cow, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CBX2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CBX2
Sequence:	SDSDPDSASP PSTGQNPSVS VQTSQDWKPT RSLIEHVFVT DVTANLITVT
Predicted Reactivity:	Cow: 86%, Horse: 93%, Human: 100%, Pig: 79%, Rat: 79%
Characteristics:	This is a rabbit polyclonal antibody against CBX2. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	CBX2
Alternative Name:	CBX2 (CBX2 Products)
Background:	CBX2 Contains 1 A.T hook DNA-binding domain and 1 chromo domain. CBX2 is a component

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Target Details

	of the Polycomb group (PcG) multiprotein PRC1 complex, a complex required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones, it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility. Alias Symbols: CDCA6, M33, MGC10561, SRXY5 Protein Interaction Partner: KRTAP10-3, KRTAP10-1, KRTAP10-9, KRTAP10-7, RBMY1F, DHX57, KRTAP2-4, RBMY1A1, RNF2, BMI1, MDFI, SOX2, GTF2I, PHC2, CSNK2B, CSNK2A2, CSNK2A1, CENPE, PARP1, CCDC158, DIS3L2, HIST4H4, CBX2, PARP12, RNF213, ZKSCAN7, DCAF6, KDM3A, MYCBP2, ANKRD26, PSME3, TRANK Protein Size: 532
Molecular Weight:	56 kDa
Gene ID:	84733
NCBI Accession:	NM_005189, NP_005180
UniProt:	Q14781

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 532 AA
Restrictions:	For Research Use only

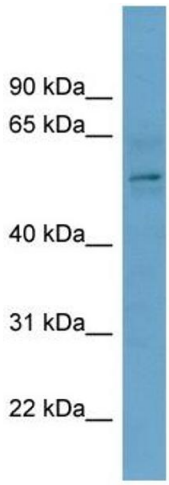
Handling

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

Handling

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.

Validation report #100106 for Western Blotting (WB)



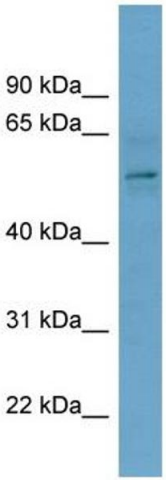
Western Blotting

Image 1. WB Suggested Anti-CBX2

Antibody Titration: 0.2-1 µg/mL

Positive Control: OVCAR-3 cell lysate

CBX2 is supported by BioGPS gene expression data to be expressed in OVCAR3



Western Blotting

Image 2. WB Suggested Anti-CBX2 Antibody Titration: 0.2-1 ug/ml

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