ARG63843
anti-CBX3 / HP1 gamma antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes CBX3 / HP1 gamma
Tested Reactivity	Hu, Ms
Predict Reactivity	Dog, Rat
Tested Application	IHC-P, WB
Specificity	No cross-reactivity expected with HP1-alpha and HP1-beta. NP_009207.2 and NP_057671.2 represent same protein.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	CBX3 / HP1 gamma
Species	Human
Immunogen	C-EAFLNSQKAGKEKD
Conjugation	Un-conjugated
Alternate Names	HP1-GAMMA; Chromobox protein homolog 3; HP1Hs-gamma; HP1 gamma; HECH; Heterochromatin protein 1 homolog gamma; Modifier 2 protein

Application Instructions

Application table

Application	Dilution
IHC-P	2 - 3 µg/ml
WB	0.3 - 1.0 µg/ml

Application Note

IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

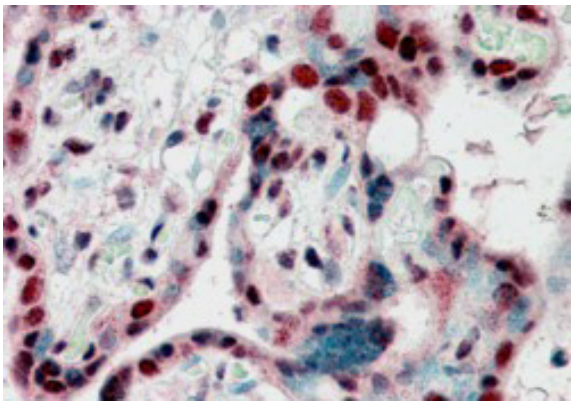
Bioinformation

Database links	GeneID: 11335 Human Swiss-port # Q13185 Human
Background	At the nuclear envelope, the nuclear lamina and heterochromatin are adjacent to the inner nuclear membrane. The protein encoded by this gene binds DNA and is a component of heterochromatin. This protein also can bind lamin B receptor, an integral membrane protein found in the inner nuclear membrane. The dual binding functions of the encoded protein may explain the association of heterochromatin with the inner nuclear membrane. This protein binds histone H3 tails methylated at Lys-9 sites. This protein is also recruited to sites of ultraviolet-induced DNA damage and double-strand breaks. Two transcript variants encoding the same protein but differing in the 5' UTR, have been found for this gene.[provided by RefSeq, Mar 2011]
Highlight	Related products: CBX3 antibodies; CBX3 Duos / Panels; Anti-Goat IgG secondary antibodies; Related news: Senescence Marker Antibody Panel is launched
Research Area	Gene Regulation antibody
Calculated Mw	21 kDa
PTM	Phosphorylated by PIM1. Phosphorylated during interphase and possibly hyper-phosphorylated during mitosis.

Images

ARG63843 anti-CBX3 / HP1 gamma antibody WB image

Western blot: A431 lysate (35 µg protein in RIPA buffer) stained with ARG63843 anti-CBX3 / HP1 gamma antibody at 0.3 µg/ml dilution.



ARG63843 anti-CBX3 / HP1 gamma antibody IHC-P image

Immunohistochemistry: Paraffin embedded Human Placenta. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG63843 anti-CBX3 / HP1 gamma antibody at 2.5 µg/ml dilution followed by AP-staining.