

Product datasheet for **TA302653**

HP1 gamma (CBX3) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:32,000. WB: 0.3-1.0 µg/ml.
Reactivity:	Human, Mouse (Expected from sequence similarity: Rat, Dog)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-EAFLNSQKAGKEKD, from the internal region of the protein sequence according to NP_009207.2; NP_057671.2.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	20.6 kDa
Gene Name:	chromobox 3
Database Link:	NP_009207 Entrez Gene 12417 Mouse Entrez Gene 297093 Rat Entrez Gene 482015 Dog Entrez Gene 11335 Human Q13185



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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. Two transcript variants encoding the same protein but differing in the 5' UTR, have been found for this gene. [provided by RefSeq]

Synonyms:

HECH; HP1-GAMMA; HP1Hs-gamma

Protein Families:

Druggable Genome, Transcription Factors

Product images:

TA302653 (0.3ug/ml) staining of A431 lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.