HP1 gamma Antibody (YA733)

Cat. No.:	HY-P80707
Synonyms:	HP1 gamma Antibody (YA733) is a non-conjugated and Mouse origined monoclonal antibody about 21 kDa, targeting to HP1 gamma (5G10). It can be used for WB,IHC-F,IHC-P,ICC/IF,IP assays with tag free, in the background of Mouse, Human, Monkey, Hamster, Rat.
Host:	Mouse
Reactivity:	Mouse,Human,Monkey,Hamster,Rat
Conjugation:	Non-conjugated
SwissProt ID:	Q13185
Research Field:	Epigenetics and Nuclear Signaling
Molecular Weight:	Predicted band size: 21 kDa

PROPERTIES

Formulation	Supplied in 1*PBS (pH 7.3), 50% glycerol and 0.5% BSA. Preservative: 0.02% sodium azide.
Purity	affinity purified
Storage & Stability	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Appearance	Liquid

Application & Dilution Ratio

Application	Dilution Ratio
WB	1:500-1:1,000
IHC	1:50-1:100
IF	1:50-1:200
IP	1:20

Shipping	Shipping with blue ice.

DESCRIPTION

Background

HP1 gamma (5G10): 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]

Caution: Product has not been fully validated for medical applications. For research use only.

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