HP1 alpha (Ab-92) Antibody

Catalog No: #33268

Package Size: #33268-1 50ul #33268-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

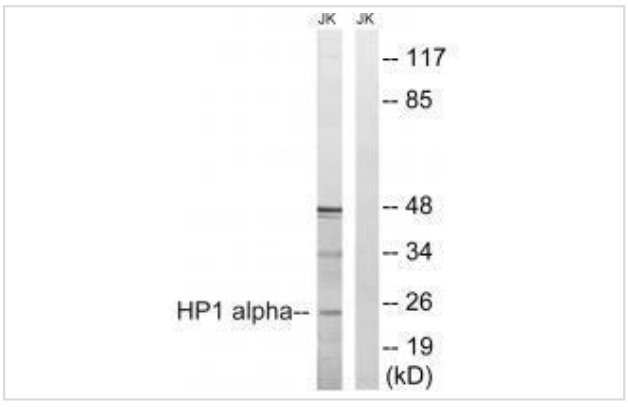
Product Name	HP1 alpha (Ab-92) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total HP1 alpha protein
Immunogen Type	Peptide
Immunogen Description	Synthesized non-phosphopeptide derived from human HP1 alpha around the phosphorylation site of serine 92 (R-K-S(p)-N-F).
Target Name	HP1 alpha
Other Names	antigen p25; chromobox protein homolog 5; heterochromatin protein 1 alpha; HP1 alpha; HP1A
Accession No.	Swiss-Prot: P45973NCBI Gene ID: 23468
Uniprot	P45973
GeneID	23468;
SDS-PAGE MW	24kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

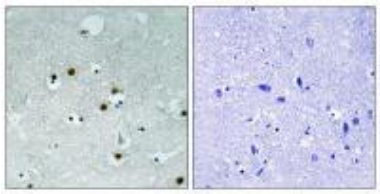
Western blotting: 1:500~1:3000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from Jurkat cells, treated with insulin (0.01U/ml, 15mins), using HP1 alpha (Ab-92) antibody #33268.



Immunohistochemistry analysis of paraffin-embedded human braina tissue using HP1 alpha (Ab-92) antibody #33268.

Background

Component of heterochromatin that recognizes and binds histone H3 tails methylated at 'Lys-9' (H3K9me), leading to epigenetic repression. In contrast, it is excluded from chromatin when 'Tyr-41' of histone H3 is phosphorylated (H3Y41ph). Can interact with lamin-B receptor (LBR). This interaction can contribute to the association of the heterochromatin with the inner nuclear membrane. Involved in the formation of functional kinetochore through interaction with MIS12 complex proteins.

Saunders W.S., J. Cell Sci. 104:573-582(1993).
The MGC Project Team; Genome Res. 14:2121-2127(2004).
Ye Q., J. Biol. Chem. 271:14653-14656(1996).

Note: This product is for in vitro research use only