ARG59273
anti-SUB1 / PC4 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SUB1 / PC4
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Hm
Tested Application	FACS, IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SUB1 / PC4
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 96-127 of Human SUB1 / PC4. (MKPGRKGISLNPEQWSQLKEQISDIDDAVRKL)
Conjugation	Un-conjugated
Alternate Names	Positive cofactor 4; Activated RNA polymerase II transcriptional coactivator p15; PC4; p14; P15; SUB1 homolog

Application Instructions

Application table

Application	Dilution
FACS	1:150 - 1:500
IHC-P	0.5 - 1 µg/ml

Application Note: IHC-P: Antigen Retrieval: By heat mediation.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

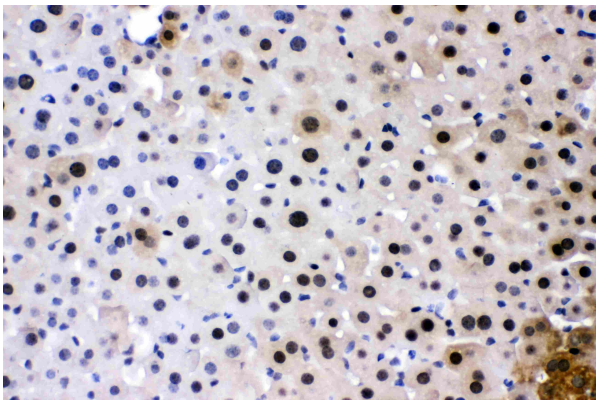
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term 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

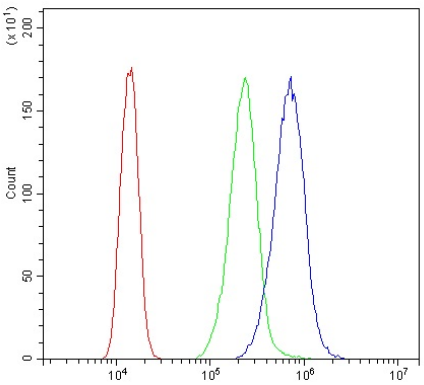
Gene Symbol	SUB1
Gene Full Name	SUB1 homolog, transcriptional regulator
Function	General coactivator that functions cooperatively with TAFs and mediates functional interactions between upstream activators and the general transcriptional machinery. May be involved in stabilizing the multiprotein transcription complex. Binds single-stranded DNA. Also binds, in vitro, non-specifically to double-stranded DNA (ds DNA). [UniProt]
Calculated Mw	14 kDa
PTM	Activity is controlled by protein kinases that target the regulatory region. Phosphorylation inactivates both ds DNA-binding and cofactor function, but does not affect binding to ssDNA. Seems to be phosphorylated in vivo by CK2 in at least 7 sites in the N-terminal Ser-rich region. [UniProt]
Cellular Localization	Nucleus. [UniProt]

Images



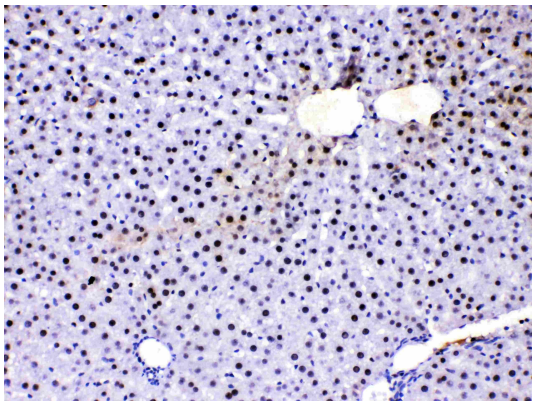
ARG59273 anti-SUB1 / PC4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse liver stained with ARG59273 anti-SUB1 / PC4 antibody at 1 µg/ml dilution.



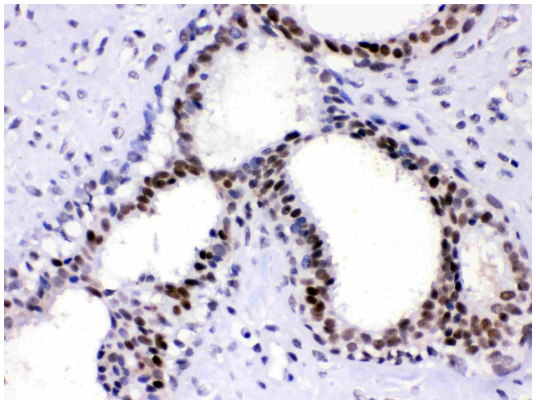
ARG59273 anti-SUB1 / PC4 antibody FACS image

Flow Cytometry: A431 cells were blocked with 10% normal goat serum and then stained with ARG59273 anti-SUB1 / PC4 antibody (blue) at 1 µg/10^6 cells for 30 min at 20°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10^6 cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



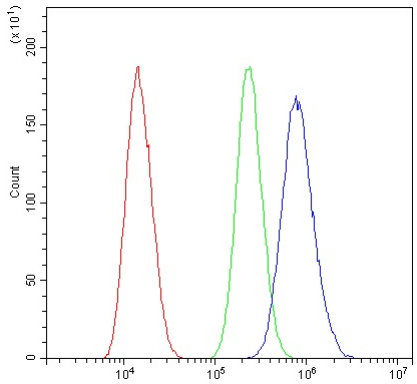
ARG59273 anti-SUB1 / PC4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat liver stained with ARG59273 anti-SUB1 / PC4 antibody at 1 µg/ml dilution.



ARG59273 anti-SUB1 / PC4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human mammary cancer stained with ARG59273 anti-SUB1 / PC4 antibody at 1 µg/ml dilution.



ARG59273 anti-SUB1 / PC4 antibody FACS image

Flow Cytometry: U87 cells were blocked with 10% normal goat serum and then stained with ARG59273 anti-SUB1 / PC4 antibody (blue) at 1 µg/10^6 cells for 30 min at 20°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10^6 cells) used under the same conditions. Unlabelled sample (red) was also used as a control.