

PSME4 antibody

Product Information

Catalog No.:	FNab06897
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Associated component of the proteasome that specifically recognizes acetylated histones and promotes ATP-and ubiquitin-independent degradation of core histones during spermatogenesis and DNA damage response. Recognizes and binds acetylated histones via its bromodomain-like(BRD1) region and activates the proteasome by opening the gated channel for substrate entry. Binds to the core proteasome via its C-terminus, which occupies the same binding sites as the proteasomal ATPases, opening the closed structure of the proteasome via an active gating mechanism. Component of the spermatoproteasome, a form of the proteasome specifically found in testis: binds to acetylated histones and promotes degradation of histones, thereby participating actively to the exchange of histones during spermatogenesis. Also involved in DNA damage response in somatic cells, by promoting degradation of histones following DNA double-strand breaks.

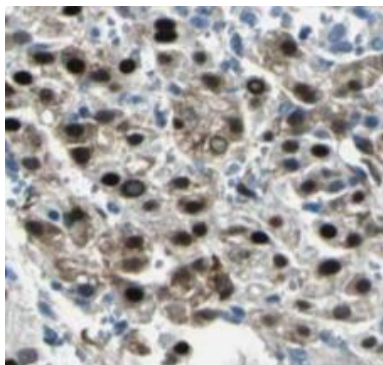
Immunogen information

Immunogen:	proteasome(prosome, macropain) activator subunit 4
Synonyms:	Proteasome activator complex subunit 4 Proteasome activator PA200 PSME4 KIAA0077
Observed MW:	140 kDa
Uniprot ID :	Q14997

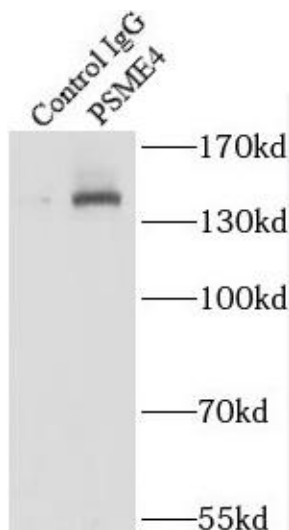
Application

Reactivity:	Human, Mouse, Rat
Tested Application:	ELISA, WB, IHC, IF, IP
Recommended dilution:	WB: 1:500-1:2000; IP: 1:500-1:1000 ; IHC: 1:50-1:500; IF: 1:10-1:100

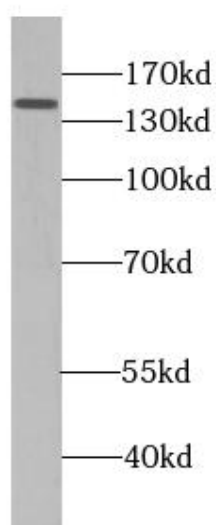
Image:



Immunohistochemistry of paraffin-embedded human liver cancer tissue slide using FNab06897(PSME4 antibody) at dilution of 1:200



IP Result of anti-PSME4 (IP:FNab06897, 3ug; Detection:FNab06897 1:500) with HEK-293 cells lysate 1760ug.



HEK-293 cells were subjected to SDS PAGE followed by western blot with FNab06897(PSME4 antibody) at dilution of 1:400