

ATG12 antibody

Product Information

Catalog No.:	FNab00667
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

Ubiquitin-like protein involved in autophagy vesicles formation. Conjugation with ATG5 through a ubiquitin-like conjugating system involving also ATG7 as an E1-like activating enzyme and ATG10 as an E2-like conjugating enzyme, is essential for its function. The ATG12-ATG5 conjugate acts as an E3-like enzyme which is required for lipidation of ATG8 family proteins and their association to the vesicle membranes. The ATG12-ATG5 conjugate also regulates negatively the innate antiviral immune response by blocking the type I IFN production pathway through direct association with RARRES3 and MAVS. Plays also a role in translation or delivery of incoming viral RNA to the translation apparatus.

Immunogen information

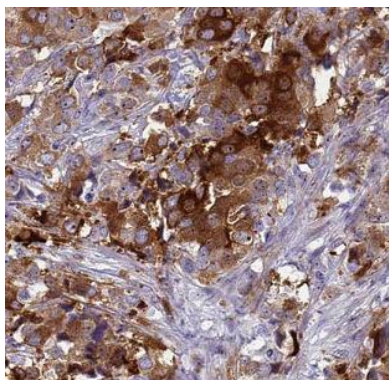
Immunogen:	ATG12 autophagy related 12 homolog
Synonyms:	Ubiquitin-like protein ATG12 Autophagy-related protein 12 (APG12-like) ATG12 APG12 APG12L
Observed MW:	48-50 kDa
Uniprot ID :	O94817

Application

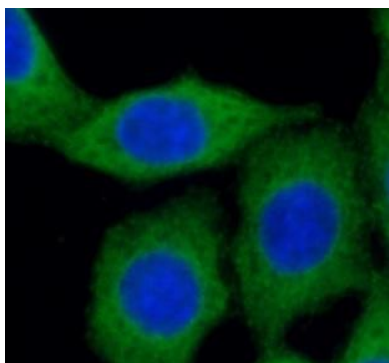
Reactivity:	Human, Mouse, Rat
Tested Application:	ELISA, WB, IHC, IF

Recommended dilution: WB: 1:500-1:2000; IHC: 1:50-1:200; IF: 1:10-1:100

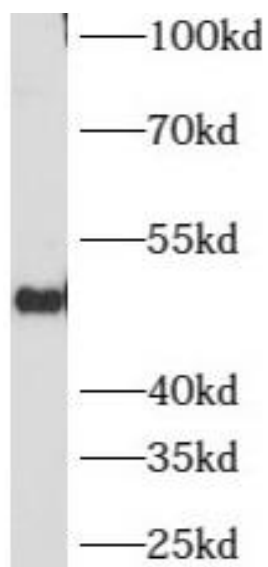
Image:



Immunohistochemistry of paraffin-embedded human prostate cancer using FNab00667(ATG12 antibody) at dilution of 1:50



Immunofluorescent analysis of PC3 cells using FNab00667 (ATF12 antibody) at dilution of 1:25



human bladder tissue were subjected to SDS PAGE followed by western blot with FNab00667(ATG12 antibody) at dilution of 1:500