

## anti- FBXO18 antibody

### Product Information

Catalog No.:	FNab03039
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

3'-5' DNA helicase and substrate-recognition component of the SCF(FBXO18) E3 ubiquitin ligase complex that plays a key role in response to stalled/damaged replication forks(PubMed:11956208, PubMed:23393192). Involved in genome maintenance by acting as an anti-recombinogenic helicase and preventing extensive strand exchange during homologous recombination: promotes RAD51 filament dissolution from stalled forks, thereby inhibiting homologous recombination and preventing excessive recombination(PubMed:17724085, PubMed:19736316). Also promotes cell death and DNA double-strand breakage in response to replication stress: together with MUS81, promotes the endonucleolytic DNA cleavage following prolonged replication stress via its helicase activity, possibly to eliminate cells with excessive replication stress(PubMed:23319600, PubMed:23361013). Plays a major role in remodeling of stalled DNA forks by catalyzing fork regression, in which the fork reverses and the two nascent DNA strands anneal(PubMed:25772361). In addition to the helicase activity, also acts as the substrate-recognition component of the SCF(FBXO18) E3 ubiquitin ligase complex, a complex that mediates ubiquitination of RAD51, leading to regulate RAD51 subcellular location(PubMed:25585578).

### Immunogen information

Immunogen: F-box protein, helicase, 18

### Wuhan Fine Biotech Co., Ltd.

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Synonyms: FBH1, FBX18

Observed MW: 118-123 kDa

UniprotID : Q8NFZ0

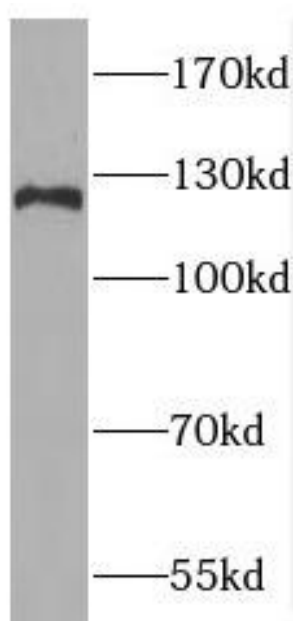
### Application

Reactivity: Human, Mouse, Rat

Tested Application: ELISA, WB

Recommended dilution: WB: 1:500-1:2000

Image:



PC-3 cells were subjected to SDS PAGE followed by western blot with FNab03039(FBXO18 antibody) at dilution of 1:500

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