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Datasheet for ABIN7114057
anti-FBX018 antibody

Overview

Quantity:	100 µg
Target:	FBX018
Reactivity:	Mouse, Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FBX018 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	F-box protein, helicase, 18
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	FBX018
Alternative Name:	FBX018 (FBX018 Products)
Background:	Synonyms:FBH1, FBX18 Background:3'-5' DNA helicase and substrate-recognition component of the SCF(FBX018) 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

Target Details

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).

Molecular Weight: 118-123 kDa

Gene ID: 84893

UniProt: [Q8NFZ0](#)

Application Details

Application Notes: WB: 1:500-1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months