

RNF4 monoclonal antibody

Catalog: MB67059

Host: Mouse

Reactivity: Human

BackGround:

E3 ubiquitin-protein ligase which binds polysumoylated chains covalently attached to proteins and mediates 'Lys-6-', 'Lys-11-', 'Lys-48'- and 'Lys-63'-linked polyubiquitination of those substrates and their subsequent targeting to the proteasome for degradation.

Regulates the degradation of several proteins including PML and the transcriptional activator PEA3.

Involved in chromosome alignment and spindle assembly, it regulates the kinetochore CENPH-CENPI-CENPK complex by targeting polysumoylated CENPI to proteasomal degradation.

Regulates the cellular responses to hypoxia and heat shock through degradation of respectively EPAS1 and PARP1.

Alternatively, it may also bind DNA/nucleosomes and have a more direct role in the regulation of transcription for instance enhancing basal transcription and steroid receptor-mediated transcriptional activation.

Catalyzes ubiquitination of sumoylated PARP1 in response to PARP1 trapping to chromatin, leading to PARP1 removal from chromatin by VCP/p97.

Product:

Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 35 kDa

Swiss-Prot:

P78317

Purification&Purity:

This antibody is purified through a protein G column.

Applications:

WB (1/500 - 1/1000)

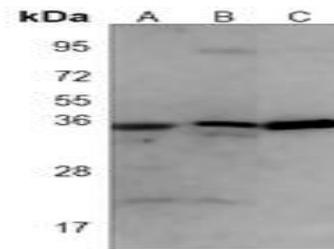
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of RNF4 protein.

DATA:



Western blot analysis of RNF4 expression in LNCap (A), PC3 (B), human testis tissue (C) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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