

Arkadia rabbit pAb

Cat No.: ES6675

For research use only

Overview

Product Name Arkadia rabbit pAb

Host species Rabbit
Applications WB;ELISA
Species Cross-Reactivity Human;Mouse

Recommended dilutions Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not

yet tested in other applications.

Immunogen The antiserum was produced against synthesized

peptide derived from human RNF111. AA

range:901-950

Specificity Arkadia Polyclonal Antibody detects endogenous

levels of Arkadia protein.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name E3 ubiquitin-protein ligase Arkadia

Gene Name RNF111

Cellular localization Nucleus . Cytoplasm . Nucleus, PML body . Upon

TGF-beta treatment, translocates from nucleus to

cytosol..

Purification The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal
Concentration 1 mg/ml
Observed band 110kD
Human Gene ID 54778
Human Swiss-Prot Number Q6ZNA4

Alternative Names RNF111; E3 ubiquitin-protein ligase Arkadia; RING

finger protein 111

Background ring finger protein 111(RNF111) Homo sapiens

The protein encoded by this gene is a nuclear RING-domain containing E3 ubiquitin ligase. This protein interacts with the transforming growth

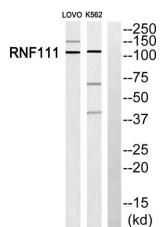


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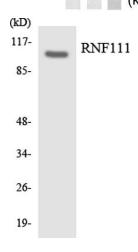
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factor (TGF) -beta/NODAL signaling pathway by promoting the ubiquitination and proteosomal degradation of negative regulators, like SMAD proteins, and thereby enhances TGF-beta target-gene transcription. As a modulator of the nodal signaling cascade, this gene plays a critical role in the induction of mesoderm during embryonic development. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2012],



Western blot analysis of RNF111 Antibody. The lane on the right is blocked with the RNF111 peptide.



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Western blot analysis of the lysates from Jurkat cells using RNF111 antibody.

