



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





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],

