

Arkadia Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00614
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human RNF111. AA range:901-950
Mol wt	108876
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Arkadia Antibody
Synonyms	RNF111; E3 ubiquitin-protein ligase Arkadia; RING finger protein 111

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by RNF111 (ring finger protein 111) 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, RNF111 plays a critical role in the induction of mesoderm during embryonic development. Alternative splicing of RNF111 results in multiple transcript variants encoding distinct isoforms.

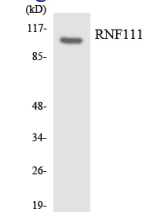
Recommended Dilution

WB: 1: 500 - 1: 2000

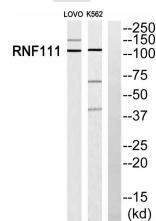
ELISA: 1: 40000

Not yet tested in other applications.

Images



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



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

Storage

-20°C for one year

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