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Datasheet

RNF111 monoclonal antibody (M05), clone 1C4

Catalog Number: H00054778-M05

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant RNF111.

Clone Name: 1C4

Immunogen: RNF111 (NP_060080, 1 a.a. ~ 108 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:
MSQWTPEYNELYTLKVDMKSEIPSDAPKTQESLKGILL
HPEPIGAAKSFPAGVEMINSKVGNEFSHLCDDSQKQE
KEMNGNQQEQEKSLVVRKKRKSQQAGPSYVQNC

Host: Mouse

Reactivity: Human

Applications: ELISA, IF, RNAi-Ab, S-ELISA, WB-Re, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Isotype: IgG2a Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 54778

Gene Symbol: RNF111

Gene Alias: ARK, DKFZp313E0731, DKFZp686H1966, DKFZp761D081, FLJ38008

Gene Summary: The protein encoded by this gene contains a RING finger domain, a motif known to be involved in protein-protein and protein-DNA interactions. The mouse counterpart of this gene (Rnf111/arkadia) has been shown to genetically interact with the transforming growth factor (TGF) beta-like factor Nodal, and act as a modulator of the nodal signaling cascade, which is essential for the induction of mesoderm during embryonic development. [provided by RefSeq]

References:

1. RNF111/Arkadia is a SUMO-targeted ubiquitin ligase that facilitates the DNA damage response. Poulsen SL, Hansen RK, Wagner SA, van Cuijk L, van Belle GJ, Streicher W, Wikstrom M, Choudhary C, Houtsmuller AB, Marteijn JA, Bekker-Jensen S, Mailand N J Cell Biol. 2013 Jun 10;201(6):797-807. doi: 10.1083/jcb.201212075.
2. Arkadia, a Novel SUMO-Targeted Ubiquitin Ligase Involved in PML Degradation. Erker Y, Neyret-Kahn H, Seeler JS, Dejean A, Atfi A, Levy L Mol Cell Biol. 2013 Jun;33(11):2163-77. doi: 10.1128/MCB.01019-12. Epub 2013 Mar 25.
3. RNF111-Dependent Neddylation Activates DNA Damage-Induced Ubiquitination. Ma T, Chen Y, Zhang F, Yang CY, Wang S, Yu X Mol Cell. 2013 Mar 7;49(5):897-907. doi: 10.1016/j.molcel.2013.01.006. Epub 2013 Feb 7.