

Datasheet

WWP1 monoclonal antibody (M01), clone 1A7

Catalog Number: H00011059-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant WWP1.

Clone Name: 1A7

Immunogen: WWP1 (NP_008944, 152 a.a. ~ 260 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

CSSSPTIEIQENGDALHENGEPsARTTARLAVEGTNGI
DNHVPTSTLVQNSCCSYVNGDNTSPSSQVAARPK
NTPAPKPLASEPADDTVNGESSSFAPTDNASVTGT

Host: Mouse

Reactivity: Human

Applications: ELISA, IF, IHC-P, IP, 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: 11059

Gene Symbol: WWP1

Gene Alias: AIP5, DKFZp434D2111, Tiul1, hSDRP1

Gene Summary: WW domain-containing proteins are found in all eukaryotes and play an important role in the regulation of a wide variety of cellular functions such as

protein degradation, transcription, and RNA splicing. This gene encodes a protein which contains 4 tandem WW domains and a HECT (homologous to the E6-associated protein carboxyl terminus) domain. The encoded protein belongs to a family of NEDD4-like proteins, which are E3 ubiquitin-ligase molecules and regulate key trafficking decisions, including targeting of proteins to proteosomes or lysosomes. Alternative splicing of this gene generates at least 6 transcript variants; however, the full length nature of these transcripts has not been defined. [provided by RefSeq]

References:

1. Cardiomyocyte-specific overexpression of the ubiquitin ligase Wwp1 contributes to reduction in connexin 43 and arrhythmogenesis. Basheer WA, Harris BS, Mentrup HL, Abreha M, Thames EL, Lea JB, Swing DA, Copeland NG, Jenkins NA, Price RL, Matesic LE. J Mol Cell Cardiol. 2015 Sep 16. [Epub ahead of print]
2. Functional Characterization of a WWP1/Tiul1 Tumor-derived Mutant Reveals a Paradigm of Its Constitutive Activation in Human Cancer. Courivaud T, Ferrand N, Elkhattouti A, Kumar S, Levy L, Ferrigno O, Atfi A, Prunier C. J Biol Chem. 2015 Aug 21;290(34):21007-18.
3. WWP2-WWP1 Ubiquitin Ligase Complex Coordinated by PPM1G Maintains the Balance Between Cellular p73 and ?Np73 Levels. Chaudhary N, Maddika S Mol Cell Biol. 2014 Jul 28. pii: MCB.00101-14.