10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ANKRD17 Rabbit pAb

Catalog # AP98267

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	O75179
Other Accession	O75179
Predicted	Rat, Pig, Human, Mouse, Rabbit, Chicken, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	274258
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ANKRD17
Epitope Specificity	1501-1600/2603
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBUNIT	Interacts (via N-terminus) with NOD2. Interacts with CDK2, MCM3, MCM5, MCM7, CDC6 and PCNA. Interacts with MAVS and IFIH1. Interacts (via the second ankyrin repeat cluster) with DDX58.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene belongs to the family of ankyrin repeat-containing proteins, and contains two distinct arrays of ankyrin repeats in its amino-terminal region, one with 15 ankyrin repeats, and the other with 10 ankyrin repeats. It also contains a nuclear export signal, nuclear localization signal, and a cyclin-binding RXL motif. Localization of this protein to the nucleus has been shown experimentally, and interactions between this protein and cyclin-dependent kinase 2 have been observed. It has been suggested that this protein plays a role in both DNA replication and in both anti-viral and anti-bacterial innate immune pathways. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]

Additional Information

Gene ID	26057
Other Names	ANR17_HUMAN; ANKRD17; Gene trap ankyrin repeat protein; Serologically defined breast cancer antigen NY-BR-16; GTAR; KIAA0697; ANR17_MOUSE; Ankyrin repeat domain-containing protein FOE; Foe; CAGS; MASK2; NY-BR-16; ankyrin repeat domain 17
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:50-200,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ANKRD17
Synonyms	GTAR, KIAA0697
Function	Could play pivotal roles in cell cycle and DNA regulation (PubMed: 19150984). Involved in innate immune defense against viruse by positively regulating the viral dsRNA receptors DDX58 and IFIH1 signaling pathways (PubMed:22328336). Involves in NOD2- and NOD1- mediated responses to bacteria suggesting a role in innate antibacterial immune pathways too (PubMed:23711367). Target of enterovirus 71 which is the major etiological agent of HFMD (hand, foot and mouth disease) (PubMed:17276651). Could play a central role for the formation and/or maintenance of the blood vessels of the circulation system (By similarity).
Cellular Location	Cytoplasm. Nucleus Note=Detected around the nucleolus. Localized on chromatin in a cell cycle-dependent manner.
Tissue Location	Ubiquitously expressed.

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