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

C11ORF46 Rabbit pAb

Catalog # AP97983

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8N8R7
Other Accession	Q8N8R7
Reactivity	Mouse
Predicted	Rat, Human, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29338
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C11ORF46
Epitope Specificity	21-120/260
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 with ARL14 and MYO1E.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	C11orf46, also known as FLJ38968 or dJ299F11.1, is a 260 amino acid protein that is encoded by a gene located on human chromosome 11. With approximately 135 million base pairs and 1,400 genes, chromosome 11 makes up around 4% of human genomic DNA and is considered a gene and disease association dense chromosome. The chromosome 11 encoded Atm gene is important for regulation of cell cycle arrest and apoptosis following double strand DNA breaks. Atm mutation leads to the disorder known as ataxia-telangiectasia. The blood disorders Sickle cell anemia and β thalassemia are caused by HBB gene mutations. Wilms' tumors, WAGR syndrome and Denys-Drash syndrome are associated with mutations of the WT1 gene. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are also associated with defects in chromosome 11.

Additional Information

Gene ID	120534
Other Names	ARF7EP; C11orf46; dJ299F11.1; AL14E_HUMAN; ARL14EP; ARF7 effector protein; AL14E_MOUSE; AL14E_RAT; ARF like GTPase 14 effector protein; chromosome 11 open reading frame 46; ADP ribosylation factor like GTPase 14 effector protein; ADP-ribosylation factor like GTPase 14 effector protein
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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	ARL14EP
Synonyms	ARF7EP, C11orf46
Function	Through its interaction with ARL14 and MYO1E, may connect MHC class II-containing cytoplasmic vesicles to the actin network and hence controls the movement of these vesicles along the actin cytoskeleton in dendritic cells.
Cellular Location	Cytoplasm.
Tissue Location	Expressed in the immune system.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.