

RAI14 Rabbit pAb

RAI14 Rabbit pAb
Catalog # AP57641

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9P0K7
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	110041
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RAI14
Epitope Specificity	2-100/980
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm > cell cortex. Cytoplasm > cytoskeleton. Associated with the cortical actin cytoskeleton structures in terminal web and cell-cell adhesion sites and stress fibers.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	26064
Other Names	Ankycorbin, Ankyrin repeat and coiled-coil structure-containing protein, Novel retinal pigment epithelial cell protein, Retinoic acid-induced protein 14, RAI14, KIAA1334, NORPEG
Dilution	WB=1:500-2000,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	RAI14
Synonyms	KIAA1334, NORPEG
Function	Plays a role in actin regulation at the ectoplasmic specialization, a type of cell junction specific to testis. Important for establishment of sperm polarity

and normal spermatid adhesion. May also promote integrity of Sertoli cell tight junctions at the blood- testis barrier.

Cellular Location

Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, stress fiber {ECO:0000250|UniProtKB:Q9EP71}. Cytoplasm, cell cortex {ECO:0000250|UniProtKB:Q5U312}. Cell junction {ECO:0000250|UniProtKB:Q5U312}. Nucleus Note=Associated with the cortical actin cytoskeleton structures in terminal web and cell-cell adhesion sites (By similarity). Highly expressed at the ectoplasmic specialization, an actin-rich cell junction specific to the testis (By similarity). Predominantly nuclear in nonconfluent cells (PubMed:16729964). {ECO:0000250|UniProtKB:Q5U312, ECO:0000269|PubMed:16729964}

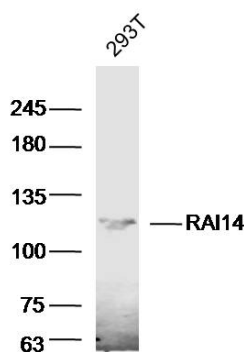
Tissue Location

Highly expressed in placenta, muscle, kidney and testis. Moderately expressed in heart, brain, lung, liver and intestine. Isoform 2 is widely expressed and expressed in fetal and adult testes, and spermatozoa.

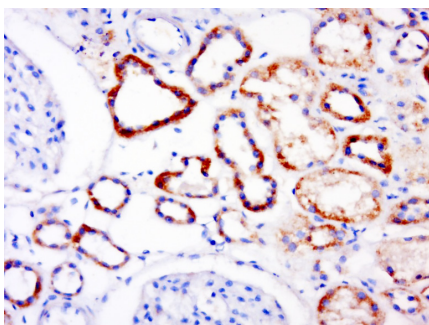
Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Images



Sample: 293T Cell (Human) Lysate at 30 ug
Primary: Anti-RAI14 (AP57641) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 110kD
Observed band size: 120kD



Paraformaldehyde-fixed, paraffin embedded (human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RAI14) Polyclonal Antibody, Unconjugated (AP57641) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

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