

For Research Use Only

VIRMA/KIAA1429 Polyclonal antibody, PBS Only

Catalog Number: 30166-1-PBS

Featured Product



Basic Information

Catalog Number:

30166-1-PBS

Size:

100ug, Concentration: 1 mg/ml by
Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32830

GenBank Accession Number:

BC003701

GeneID (NCBI):

25962

UNIPROT ID:

Q69YN4

Full Name:

KIAA1429

Observed MW:

200-210 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse

Background Information

VIRMA (KIAA1429) is a key component of m6A methyltransferase (writer) complex that include METTL3, METTL14, WTAP, VIRMA, HAKAI, ZC3H13, and RBM15. VIRMA mediates methylation in the 3'UTR and around the stop codon, thus affecting alternative polyadenylation. VIRMA has been reported to act as an oncogenic factor in breast cancer and liver cancer. KIAA1429 exhibits differential nuclear and cytoplasmic distribution in colorectal cancer samples, and high cytoplasmic expression of KIAA1429 is associated with poor response to chemotherapy. BRAF-mediated phosphorylation of KIAA1429 facilitates its aggregation in the cytoplasm. Furthermore, cytoplasmic KIAA1429 promotes WNT pathway activation by binding and stabilizing FZD7, thereby further enhancing cancer stemness and oxaliplatin resistance (PMID: 40611274). Moreover, this antibody can not recognize short isoforms.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

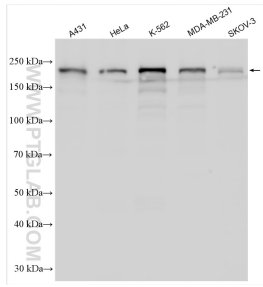
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

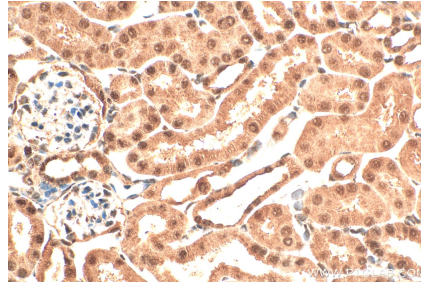
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

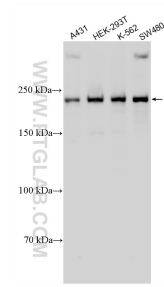
Selected Validation Data



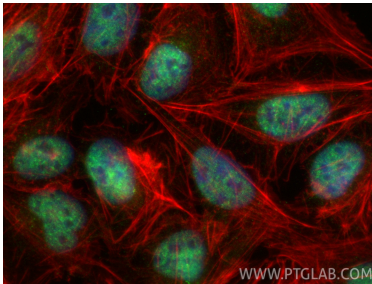
Various lysates were subjected to SDS PAGE followed by western blot with 30166-1-AP (KIAA1429 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 30166-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 30166-1-AP (VIRMA/KIAA1429 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30166-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 30166-1-AP (VIRMA/KIAA1429 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 30166-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using VIRMA/KIAA1429 antibody (30166-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 30166-1-PBS in a different storage buffer formulation.