

# KIAA0513 Polyclonal antibody

Catalog Number: 21478-1-AP

## Basic Information

**Catalog Number:**

21478-1-AP

**Size:**

150ul , Concentration: 300 ug/ml by Nanodrop and 247 ug/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG15624

**GenBank Accession Number:**

BC030280

**GeneID (NCBI):**

9764

**UNIPROT ID:**

O60268

**Full Name:**

KIAA0513

**Calculated MW:**

411 aa, 47 kDa

**Observed MW:**

34 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:4000

IHC 1:150-1:600

IF/ICC 1:10-1:100

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, ELISA

**Species Specificity:**

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB :** mouse brain tissue, human testis tissue, mouse cerebellum tissue, mouse kidney tissue, mouse testis tissue

**IHC :** human ovary cancer tissue,

**IF/ICC :** HepG2 cells,

## Background Information

KIAA0513 was identified as upregulated in subjects with schizophrenia. The mRNA of KIAA0513 is ubiquitously expressed but is enriched in the brain, particularly in the cerebellum. The interacting protein analysis indicated that KIAA0513 is involved in both synaptic and apoptotic signaling. (PMID: 17010949) Several isoforms of KIAA0513 (47/46/34 kDa) exist due to the alternative splicing. This antibody is expected to recognize all of isoforms of KIAA0513.

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

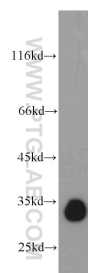
For technical support and original validation data for this product please contact:

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

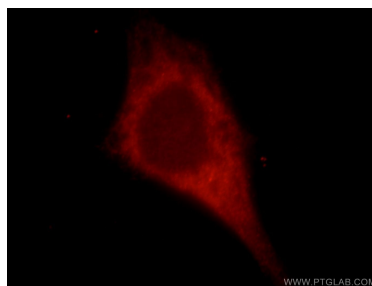
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

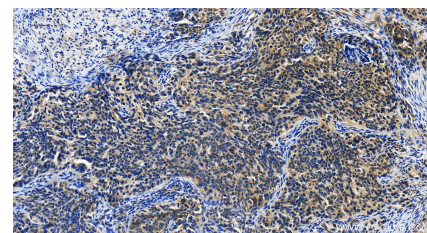
## Selected Validation Data



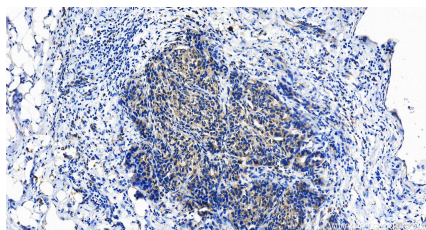
mouse brain tissue were subjected to SDS PAGE followed by western blot with 21478-1-AP (KIAA0513 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells, using KIAA0513 antibody 21478-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 21478-1-AP (KIAA0513 antibody) at dilution of 1:300 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 21478-1-AP (KIAA0513 antibody) at dilution of 1:300 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).