

KIAA2013 Polyclonal antibody

Catalog Number: 27886-1-AP

Basic Information

Catalog Number:

27886-1-AP

Size:

650 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27379

GenBank Accession Number:

BC035033

GeneID (NCBI):

90231

UNIPROT ID:

Q8IYS2

Full Name:

KIAA2013

Observed MW:

65 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:250-1:1000

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HEK-293 cells, U2OS cells, mouse kidney tissue

IHC : human ovary cancer tissue,

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

Background Information

KIAA2013, also known as Q8IYS2 or MGC33867, is a single-pass transmembrane protein encoded by the KIAA2013 gene in humans. KIAA2013 has been found to play a role in the Endocannabinoid system. This system is made up of cannabinoid receptors 1 and 2 (CB1 and CB2) as well as the various ligands and enzymes that interact. The protein KIAA2013 has been found to be expressed within CB2 expressing cells. Both cannabinoid receptors are labeled as class A G-Protein Coupled Receptors, and CB2 is highly expressed within the human spleen and leukocytes. CB2, and by extension KIAA2013, are therefore targets of interest for therapeutic studies looking into diseases such as inflammatory bowel disease and rheumatoid arthritis (PMID:31616248 34752341).

Storage

Storage:

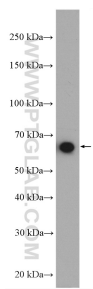
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

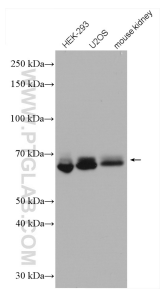
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

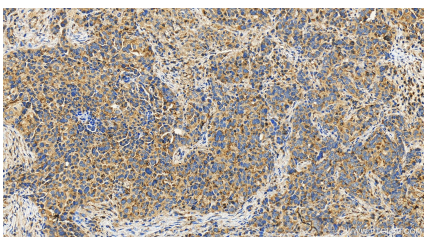
Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 27886-1-AP (KIAA2013 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 27886-1-AP (KIAA2013 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 27886-1-AP (KIAA2013 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).