

For Research Use Only

ALKBH8 Polyclonal antibody, PBS Only

Catalog Number: 25566-1-PBS



Basic Information

Catalog Number:

25566-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG22239

GenBank Accession Number:

BC015183

GeneID (NCBI):

91801

UNIPROT ID:

Q96BT7

Full Name:

alkB, alkylation repair homolog 8 (E. coli)

Calculated MW:

664 aa, 75 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, rat

Background Information

ALKBH8 (Alpha-ketoglutarate-dependent dioxygenase) is unique among the ALKBH family, since it harbors a 2-oxoglutarate and Fe(II)-dependent oxygenase domain as well as an RNA recognition motif and methyl transferase domain (PMID: 27329810). ALKBH8 is a "writer" enzyme that modifies the wobble uridine of tRNA and regulates protein translation, including that of selenoproteins (PMID: 38550277). ALKBH8 is highly expressed in high-grade, superficially and deeply invasive bladder cancer. ALKBH8 knockdown induces apoptosis in bladder cancer cells (PMID: 38550277).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

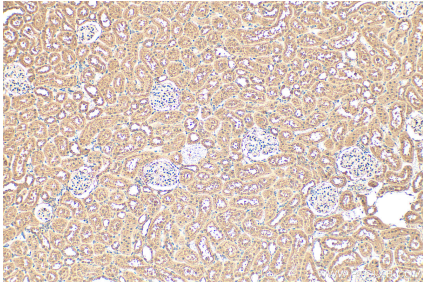
T: 4006900926

E: Proteintech-CN@ptglab.com

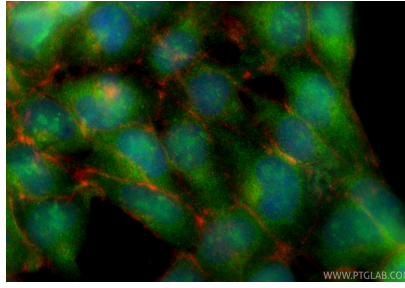
W: ptgcn.com

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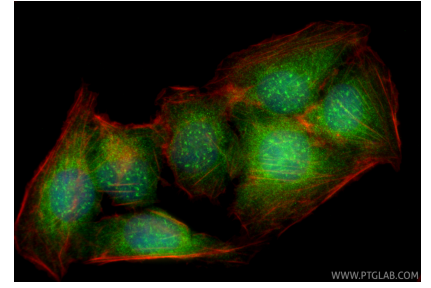
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 25566-1-AP (ALKBH8 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 25566-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using ALKBH8 antibody (25566-1-AP) at dilution of 1:400 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 25566-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using ALKBH8 antibody (25566-1-AP) at dilution of 1:400 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 25566-1-PBS in a different storage buffer formulation.