

For Research Use Only

# ALKBH8 Polyclonal antibody, PBS Only

Catalog Number: 25566-1-PBS



## Basic Information

<b>Catalog Number:</b> 25566-1-PBS	<b>GenBank Accession Number:</b> BC015183	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 91801	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96BT7	
<b>Isotype:</b> IgG	<b>Full Name:</b> alkB, alkylation repair homolog 8 (E. coli)	
<b>Immunogen Catalog Number:</b> AG22239	<b>Calculated MW:</b> 664 aa, 75 kDa	

## 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.

**Storage Buffer:**  
PBS only, pH7.3

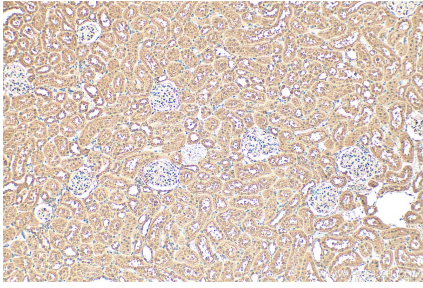
For technical support and original validation data for this product please contact:

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

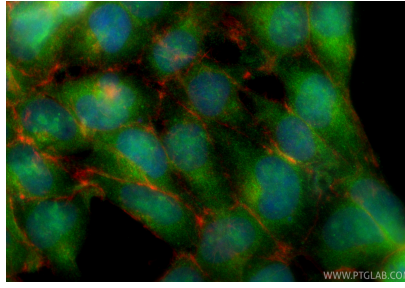
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

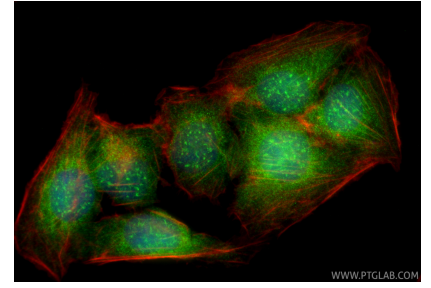
## Selected Validation Data



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.