

For Research Use Only

# KMO Polyclonal antibody

Catalog Number: 10698-1-AP

Featured Product

32 Publications



## Basic Information

### Catalog Number:

10698-1-AP

### Size:

150ul, Concentration: 900 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1109

### GenBank Accession Number:

BC005297

### GeneID (NCBI):

8564

### UNIPROT ID:

O15229

### Full Name:

kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)

### Calculated MW:

486 aa, 56 kDa

### Observed MW:

56 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

IHC: 1:50-1:500

IF/ICC: 1:50-1:500

## Applications

### Tested Applications:

IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse

### Cited Species:

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:

IHC : human kidney tissue, human prostate cancer tissue, human breast cancer tissue, mouse heart tissue

IF/ICC : MCF-7 cells,

## Background Information

KMO(Kynurenine 3-monooxygenase) is an NADPH-dependent flavin monooxygenase, catalysing the hydroxylation of the L-kynurenine to form L-3-hydroxykynurenine. KMO is a membrane protein located on the outer membrane of mitochondria. Tissue distribution studies have revealed that, in rats, highest enzyme activity is found in kidney and liver, with brain having the least activity in comparison to peripheral organs(PMID: 9237672).

## Notable Publications

Author	Pubmed ID	Journal	Application
NANAKA MORITA	34584567	Oncol Lett	WB,IHC
Aisha M. Swaih	36140394	Biomedicines	WB,IF
Ewelina Rojewska	26524415	Neuropharmacology	WB

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

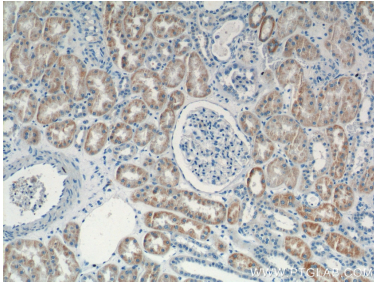
For technical support and original validation data for this product please contact:

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

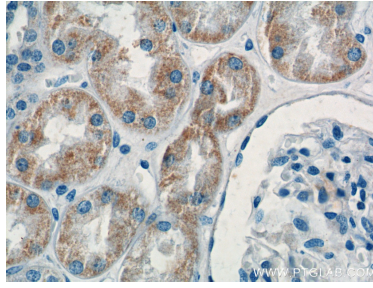
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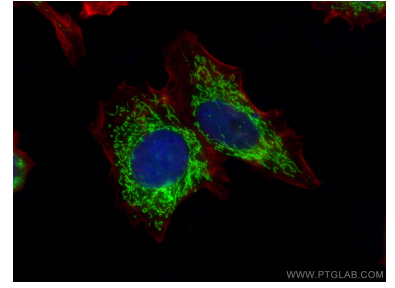
## Selected Validation Data



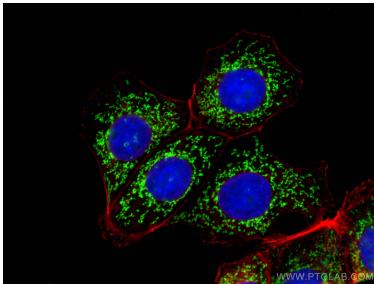
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 10698-1-AP (KMO Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 10698-1-AP (KMO Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using KMO antibody (10698-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using KMO antibody (10698-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).