For Research Use Only

KMO Recombinant antibody

Catalog Number:83812-1-RR

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Basic Information

Catalog Number:
83812-1-RR

Size:
1000 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG35029

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:
52-56 kDa

Purification Method:
Protein A purfication

CloneNo.:
240586D3

Recommended Dilutions:
WB 1:5000-1:50000

Applications

Tested Applications:
WB, FC (Intra), ELISA

Species Specificity:
human

Positive Controls:

WB : MCF-7 cells,

Background Information

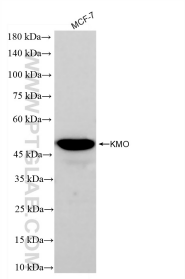
KMO(Kynurenine 3-monooxygenase) is an NADPH-dependent flavin monooxygenase, catalysing the hydroxylation of the L-kynurenine to form L-3-hydroxykynurenine. KMO is a membrane protein located on the outer membrane of mitochondria. Tissue distribution studies have revealed that, in rats, highest enzyme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

Storage

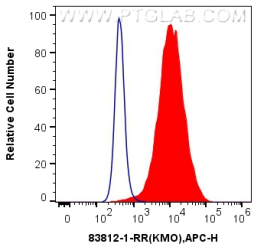
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

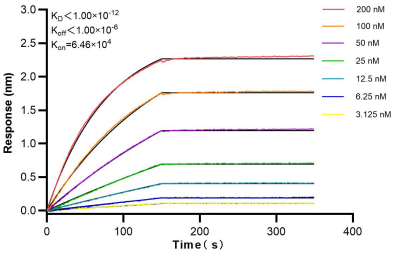
Selected Validation Data



MCF-7 cells were subjected to SDS PAGE followed by western blot with 83812-1-RR (KMO antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



1x10^6 MCF-7 cells were intracellularly stained with 0.25 ug KMO Recombinant antibody (83812-1-RR, Clone:240586D3) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83812-1-RR against Human KMO were performed. The affinity constant is below 1 pM.