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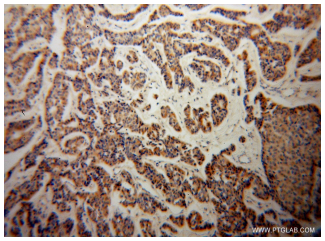
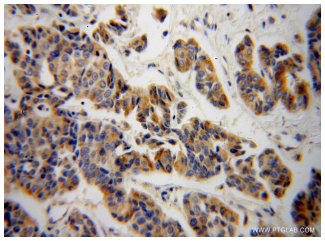
Kynurenine 3 monooxygenase Polyclonal Antibody

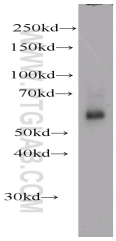
Catalog number: 10698-1-AP
Size: 39 µg/150 µl
Source: Rabbit
Isotype: IgG
Synonyms:
KMO; dJ317G22.1, KMO, Kynurenine 3 hydroxylase, Kynurenine 3 monooxygenase



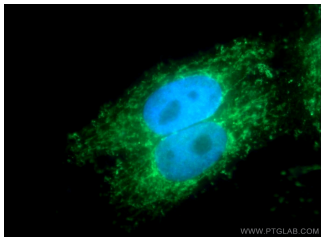
Immunohistochemical of paraffin-embedded human breast cancer using 10698-1-AP(KMO antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical of paraffin-embedded human breast cancer using 10698-1-AP(KMO antibody) at dilution of 1:100 (under 40x lens)



mouse heart tissue were subjected to SDS PAGE followed by western blot with 10698-1-AP(KMO antibody) at dilution of 1:1000



Immunofluorescent analysis of HepG2 cells using 10698-1-

Background

KMO(Kynurenine 3-monooxygenase) is an NADPH-dependent flavin monooxygenase, catalysing the hydroxylation of the L-tryptophan metabolite 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).

Applications

Tested applications:	**ELISA, WB, IHC, IF**
Cited applications:	**IF, WB**
Species specificity:	**Human,Mouse,Rat; other species not tested.**
Cited species:	**Human**
Caculated Kynurenine 3 monooxygenase MW:	**55.8 kDa**
Observed Kynurenine 3 monooxygenase MW:	**55.8 kDa**
Positive WB detected in	**Mouse heart tissue, HeLa cells, mouse spleen tissue, rat spleen tissue**
Positive IHC detected in	**Human breast cancer tissue, human prostate cancer tissue, mouse heart tissue**
Positive IF detected in	**HepG2 cells**
Recommended dilution:	**WB: 1:500-1:5000** **IHC: 1:20-1:200** **IF: 1:10-1:100**

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	**Ag1109**
GenBank accession number:	**BC005297**
Gene ID (NCBI):	**8564**
Full name:	**Kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)**

Product information

Purification method:	**Antigen affinity purification**
Storage:	**PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.**

AP(KMO Antibody) at dilution of 1:25 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)