

Goat Anti-kynurenine 3-monooxygenase Antibody (C Terminus)
Catalog # AF4303a**Specification****Goat Anti-kynurenine 3-monooxygenase Antibody (C Terminus) - Product Information**

Application	WB, E
Primary Accession	O15229
Other Accession	NP_003670.2 , 8564
Reactivity	Human
Predicted	Human
Host	Goat
Isotype	IgG
Calculated MW	55810

Goat Anti-kynurenine 3-monooxygenase Antibody (C Terminus) - Additional Information**Gene ID** 8564**Other Names**

Kynurenine 3-monooxygenase {ECO:0000255|HAMAP-Rule:MF_03018}, 1.14.13.9
{ECO:0000255|HAMAP-Rule:MF_03018}, Kynurenine 3-hydroxylase
{ECO:0000255|HAMAP-Rule:MF_03018}, KMO

Dilution

WB~~1:1000
E~~N/A

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-kynurenine 3-monooxygenase Antibody (C Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-kynurenine 3-monooxygenase Antibody (C Terminus) - Protein Information**Name** KMO {ECO:0000255|HAMAP-Rule:MF_03018, ECO:0000312|HGNC:HGNC:6381}**Function**

Catalyzes the hydroxylation of L-kynurenine (L-Kyn) to form 3-hydroxy-L-kynurenine (L-3OHKyn) (PubMed:23575632, PubMed:26752518, PubMed:28604669, PubMed:29208702, PubMed:29429898). Required for synthesis of quinolinic acid, a neurotoxic NMDA receptor antagonist and potential

endogenous inhibitor of NMDA receptor signaling in axonal targeting, synaptogenesis and apoptosis during brain development. Quinolinic acid may also affect NMDA receptor signaling in pancreatic beta cells, osteoblasts, myocardial cells, and the gastrointestinal tract (Probable).

Cellular Location

Mitochondrion outer membrane {ECO:0000255|HAMAP- Rule:MF_03018, ECO:0000269|PubMed:9237672}; Multi-pass membrane protein {ECO:0000255|HAMAP-Rule:MF_03018, ECO:0000269|PubMed:9237672}

Tissue Location

Highest levels in placenta and liver. Detectable in kidney.

Goat Anti-kynurenine 3-monooxygenase Antibody (C Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-kynurenine 3-monooxygenase Antibody (C Terminus) - Images

AF4303a (0.03 µg/ml) staining of Human Placenta lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.