

Goat Anti-kynurenine 3-monooxygenase Antibody (aa29-42) (internal region)
Catalog # AF4304a**Specification****Goat Anti-kynurenine 3-monooxygenase Antibody (aa29-42) (internal region) - Product Information**

Application	WB
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 (aa29-42) (internal region) - 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

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 (aa29-42) (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-kynurenine 3-monooxygenase Antibody (aa29-42) (internal region) - 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](http://www.uniprot.org/citations/23575632), PubMed: [26752518](http://www.uniprot.org/citations/26752518), PubMed: [28604669](http://www.uniprot.org/citations/28604669), PubMed: [29208702](http://www.uniprot.org/citations/29208702), PubMed: [29429898](http://www.uniprot.org/citations/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 (aa29-42) (internal region) - 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 (aa29-42) (internal region) - Images



AF4304a (1 µg/ml) staining of Human Placenta lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.