10320 Camino Santa Fe, Suite G San Diego, CA 92121 Tel: 858.875.1900 Fax: 858.875.1999



# Goat Anti-kynurenine 3-monooxygenase Antibody (aa29-42) (internal region)

Catalog # AF4304a

### **Product Information**

Application WB, E Primary Accession O15229

Other Accession <u>NP\_003670.2</u>, <u>8564</u>

Reactivity Human
Predicted Human
Host Goat
Isotype IgG
Calculated MW 55810

#### **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 (aa29-42) (internal region)

is for research use only and not for use in diagnostic or therapeutic

procedures.

#### **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).

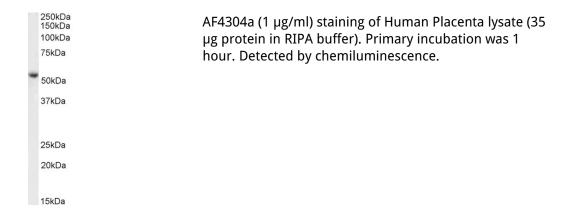
Cellular Location Mitochondrion outer membrane {ECO:0000255 | HAMAP- Rule:MF\_03018,

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.

## **Images**



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.