

Kynurenine 3-monooxygenase Polyclonal Antibody

Catalog No: #42233

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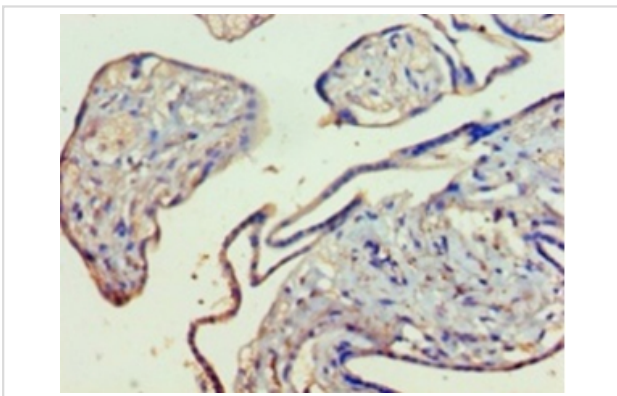
Description

Product Name	Kynurenine 3-monooxygenase Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Kynurenine 3-monooxygenase polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Kynurenine 3-monooxygenase protein(1-486aa)
Target Name	Kynurenine 3-monooxygenase
Other Names	Kynurenine 3-hydroxylase, KMO
Accession No.	Swiss-Prot#: O15229
Uniprot	O15229
GeneID	8564;
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

Immunohistochemistry: 1:20 - 1:200

Images



Immunohistochemical analysis of paraffin-embedded human placenta tissue using #42233 at dilution of 1:100.

Background

Catalyzes the hydroxylation of L-kynurenine (L-Kyn) to form 3-hydroxy-L-kynurenine (L-3OHKyn). 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.

References

[1]"Endogenous kynurenines as targets for drug discovery and development."Stone T.W., Darlington L.G.Nat. Rev. Drug Discov. 1:609-620(2002).

Note: This product is for in vitro research use only