

IL-4I1 Polyclonal Antibody

Catalog No :	YT2336
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	IL-4I1
Fields :	>>Alanine, aspartate and glutamate metabolism;>>Cysteine and methionine metabolism;>>Valine, leucine and isoleucine degradation;>>Tyrosine metabolism;>>Phenylalanine metabolism;>>Tryptophan metabolism;>>Phenylalanine, tyrosine and tryptophan biosynthesis;>>Metabolic pathways
Gene Name :	IL4I1
Protein Name :	L-amino-acid oxidase
Human Gene Id :	259307
Human Swiss Prot No :	Q96RQ9
Mouse Swiss Prot No :	O09046
Immunogen :	Synthesized peptide derived from the N-terminal region of human IL-4I1.
Specificity :	IL-4I1 Polyclonal Antibody detects endogenous levels of IL-4I1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year (Do not lower than -25°C)

Observed Band : 60kD

Cell Pathway : Alanine; aspartate and glutamate metabolism; Cysteine and methionine metabolism; Valine; leucine and isoleucine degradation; Tyrosine metabolism; Phenylalanine metabolism; Tryptophan metabolism; Phenylalanine

Background : This gene encodes a protein with limited similarity to L-amino acid oxidase which contains the conserved amino acids thought to be involved in catalysis and binding of flavin adenine dinucleotide (FAD) cofactor. The expression of this gene can be induced by interleukin 4 in B cells, however, expression of transcripts containing the first two exons of the upstream gene is found in other cell types. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012],

Function : catalytic activity: An L-amino acid + H₂O + O₂ = a 2-oxo acid + NH₃ + H₂O₂., cofactor: FAD., function: Lysosomal L-amino-acid oxidase with highest specific activity with phenylalanine. May play a role in lysosomal antigen processing and presentation., induction: By interleukin-4., similarity: Belongs to the flavin monoamine oxidase family. FIG1 subfamily., tissue specificity: Primarily found in immune tissues (isoform 1).,

Subcellular Location : Secreted . Lysosome . Cytoplasmic vesicle, secretory vesicle, acrosome . Secreted at the immunological synapse .

Expression : Primarily found in immune tissues, with the highest expression in lymph nodes and spleen (PubMed:12031486, PubMed:12446450). Present in germinal center macrophages and inflammatory myeloid cells and antigen-presenting cells (at protein level) (PubMed:17356132). Also present in spermatozoa (at protein level) (PubMed:25767141). Highly expressed in primary mediastinal large B-cell lymphoma, a specific subtype of diffuse large B-cell lymphoma (PubMed:12446450). Expressed by neoplastic cells of several B-cell lymphomas and by tumor-associated macrophages (PubMed:19436310).

Sort : 8514

No4 : 1

Host : Rabbit

Modifications : Unmodified

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