IL-4I1 Polyclonal Antibody

Catalog No	YP-Ab-15938
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	IL4I1
Protein Name	L-amino-acid oxidase
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
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	IL4I1; FIG1; L-amino-acid oxidase; LAAO; LAO; Interleukin-4-induced protein 1; IL4-induced protein 1; Protein Fig-1; hFIG1
Observed Band	60kD
Cell Pathway	Secreted . Lysosome . Cytoplasmic vesicle, secretory vesicle, acrosome . Secreted at the immunological synapse. .
Tissue Specificity	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).
Function	catalytic activity:An L-amino acid + H(2)O + O(2) = a 2-oxo acid + NH(3) + H(2)O(2).,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).,
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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