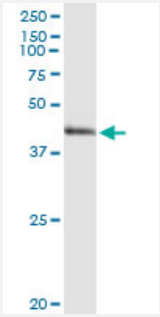
MaxPab®

ARG2 purified MaxPab rabbit polyclonal antibody (D01P)

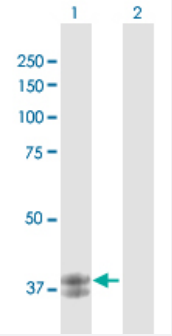
Catalog # H00000384-D01P Size 100 ug

Applications



Western Blot (Tissue lysate)

ARG2 MaxPab rabbit polyclonal antibody. Western Blot analysis of ARG2 expression in human placenta.



Western Blot (Transfected lysate)

Western Blot analysis of ARG2 expression in transfected 293T cell line (H00000384-T01) by ARG2 MaxPab polyclonal antibody.

Lane 1: ARG2 transfected lysate(38.60 KDa).
Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ARG2 protein.
Immunogen	ARG2 (AAH29050.1, 1 a.a. ~ 354 a.a) full-length human protein.
Sequence	MSLRGSLSRLLQTRVHSILKKSVHSVAVIGAPFSQGQKRKGVEHGPAAIREAGLMKRLSSLGCHL KDFGDLSFTPVPKDDLYNNLIVNPRSVGLANQELAEVVSRAVSDGYSCVTLGGDHSLAIGTISGHA RHCPDLCVVWVDAHADINTPLTTSSGNLHGQPVSFLLRELQDKVPQLPGFSWIKPCISSASIVYIG LRDVDPPEHFILKNYDIQYFSMRDIDRLGIQKVMERTFDLLIGKRQRPIHLSFDIDAFDPTLAPATGTP VVGGLTYREGMYIAEEIHNTGLLSALDLVEVNPQLATSEEEAKTTANLAVDVIASSFGQTREGGHIV YDQLPTPSSPDESENQARVRI
Host	Rabbit

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Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

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  Protocol Download

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  Lane 2: Non-transfected lysate.

  Protocol Download

Gene Info — ARG2

Entrez GeneID	384
GeneBank Accession#	NM_001172.3
Protein Accession#	AAH29050.1
Gene Name	ARG2
Gene Alias	-
Gene Description	arginase, type II
Omim ID	107830
Gene Ontology	Hyperlink

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Gene Summary	Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mam malian arginase exists (types I and II) which differ in their tissue distribution, subcellular localizatio n, immunologic crossreactivity and physiologic function. The type II isoform encoded by this gene, is located in the mitochondria and expressed in extra-hepatic tissues, especially kidney. The phys iologic role of this isoform is poorly understood; it is thought to play a role in nitric oxide and polya mine metabolism. Transcript variants of the type II gene resulting from the use of alternative polya denylation sites have been described. [provided by RefSeq
Other Designations	A-II|L-arginine amidinohydrolase|L-arginine ureahydrolase|kidney arginase|nonhepatic arginase

Pathway

- Arginine and proline metabolism
- Biosynthesis of alkaloids derived from ornithine
- Metabolic pathways

Disease

- Asthma
- Genetic Predisposition to Disease
- Hypersensitivity
- Lung Neoplasms
- Pulmonary Disease

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