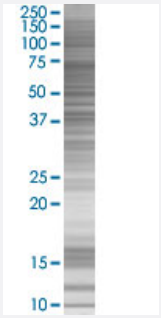
ARG2 293T Cell Transient Overexpression Lysate(Denatured)

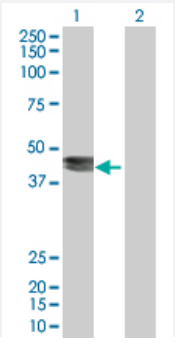
Catalog # H00000384-T01 Size 100 uL

Applications



SDS-PAGE Gel

ARG2 transfected lysate.



Western Blot

Lane 1: ARG2 transfected lysate (38.6 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ARG2 full-length
Host	Human
Theoretical MW (kDa)	38.6
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-ARG2 antibody (H00000384-B01) by Western Blots. SDS-PAGE Gel ARG2 transfected lysate. Western Blot Lane 1: ARG2 transfected lysate (38.6 KDa) Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — ARG2

Entrez GeneID	384
GeneBank Accession#	NM_001172.3
Protein Accession#	-
Gene Name	ARG2
Gene Alias	-
Gene Description	arginase, type II
Omim ID	107830
Gene Ontology	Hyperlink
Gene Summary	Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mammalian arginase exists (types I and II) which differ in their tissue distribution, subcellular localization, 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 physiologic role of this isoform is poorly understood; it is thought to play a role in nitric oxide and polyamine metabolism. Transcript variants of the type II gene resulting from the use of alternative polyadenylation 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