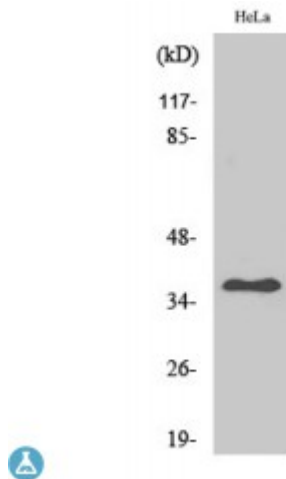


Anti-Arginase II antibody



Description	Rabbit polyclonal to Arginase II.
Model	STJ91677
Host	Rabbit
Reactivity	Human
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human Arginase II
Immunogen Region	280-360 aa, C-terminal
Gene ID	384
Gene Symbol	ARG2
Dilution range	WB 1:500-1:2000ELISA 1:5000
Specificity	Arginase II Polyclonal Antibody detects endogenous levels of Arginase II protein.
Tissue Specificity	Expressed most strongly in kidney and prostate, much less strongly in the brain, skeletal muscle, placenta, lung, mammary gland, macrophage, uterus, testis and gut, but apparently not in the liver, heart and pancreas.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Arginase-2, mitochondrial Arginase II Kidney-type arginase Non-hepatic arginase Type II arginase

Molecular Weight	38 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:664OMIM:107830
Alternative Names	Arginase-2, mitochondrial Arginase II Kidney-type arginase Non-hepatic arginase Type II arginase
Function	May play a role in the regulation of extra-urea cycle arginine metabolism and also in down-regulation of nitric oxide synthesis. Extrahepatic arginase functions to regulate L-arginine bioavailability to NO synthase. Since NO synthase is found in the penile corpus cavernosum smooth muscle, the clitoral corpus cavernosum and the vagina, arginase II plays a role in both male and female sexual arousal. It is therefore a potential target for the treatment of male and female sexual arousal disorders.
Cellular Localization	Mitochondrion.

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