

## Product datasheet for **TA308162**

### Arginase 1 (ARG1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:1000-1:50000
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 1 and 322 of Arginase I (Uniprot ID#P05089)
Formulation:	1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	35 kDa
Gene Name:	arginase 1
Database Link:	<a href="#">NP_000036</a> <a href="#">Entrez Gene 11846 Mouse</a> <a href="#">Entrez Gene 383 Human</a> <a href="#">P05089</a>
Background:	Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mammalian arginase exist (types I and II) which differ in their tissue distribution, subcellular localization, immunologic crossreactivity and physiologic function. The type I isoform encoded by this gene, is a cytosolic enzyme and expressed predominantly in the liver as a component of the urea cycle. Inherited deficiency of this enzyme results in argininemia, an autosomal recessive disorder characterized by hyperammonemia. [provided by RefSeq]
Synonyms:	arginase; arginase 1; liver; liver-type arginase; OTTHUMP00000017209; type I arginase

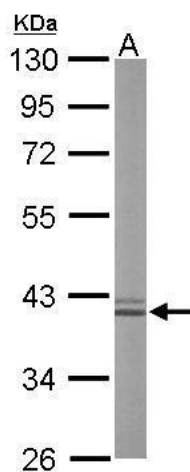


[View online »](#)

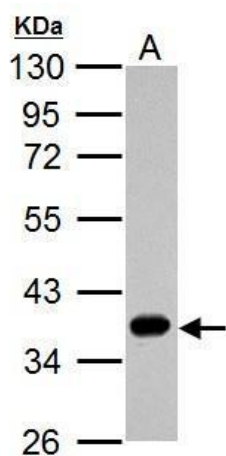
Protein Families: Druggable Genome

Protein Pathways: Arginine and proline metabolism, Metabolic pathways

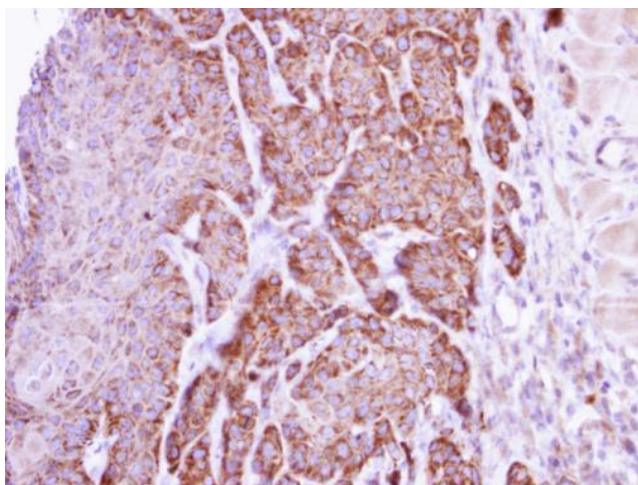
### Product images:



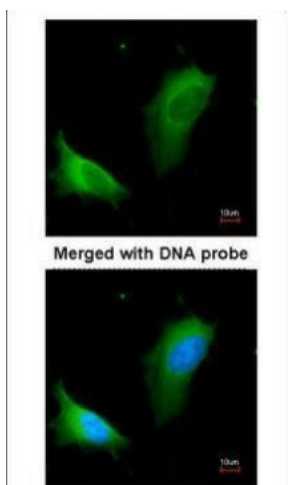
Sample (20 ug of whole cell lysate). A: mouse liver. 10% SDS PAGE. TA308162 diluted at 1:50000.



Arginase 1 antibody detects ARG1 protein by Western blot analysis. A. 30 ug HepG2 whole cell lysate/extract. 10 % SDS-PAGE. Arginase 1 antibody (TA308162) dilution: 1:1000



Immunohistochemical analysis of paraffin-embedded Cal27 xenograft, using arginase I (TA308162) antibody at 1:500 dilution.



Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using arginase I (TA308162) antibody at 1:200 dilution.