

## Arginase 1 antibody [GT5811]

## Cat. No. GTX634218

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Applications	WB, IHC-P, FCM, ELISA, Sandwich ELISA
Reactivity	Human, Mouse, Rat

References ( 2 )

Package

100 µl, 25 µl

## PRODUCT

## Summary

Arginase 1 antibody detects arginase 1, an enzyme with a predicted molecular weight of ~35 kDa. Arginase 1 is cytosolic and expressed primarily in hepatocytes, catalyzing the conversion of L-arginine to urea and L-ornithine. The activity of this enzyme has an immunoregulatory function in M2 macrophages.

## Applications

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
IHC-P	1:100-1:1000
FCM	1:50-1:200
ELISA	1:1000-1:10000
Sandwich ELISA	Assay dependent

**Note : Capture : GTX634218 / GTX113131 / GTX109242, Detection : GTX109242 / GTX113131 / GTX634218**

Not tested in other applications.

**Calculated MW** 35 kDa. ( [Note](#) )

**Product Note** This antibody is specific for human Arginase 1 protein, and it does not cross react with human Arginase 2 protein.

## Properties

Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	3.26 mg/ml (Please refer to the vial label for the specific concentration.)

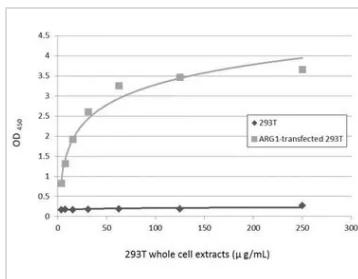


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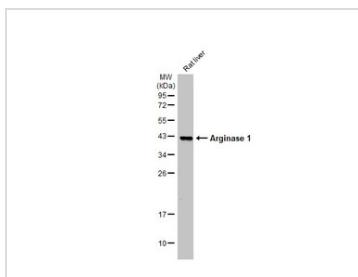
<b>Immunogen</b>	Full length human Arginase 1 recombinant protein.
<b>Purification</b>	Affinity purified by Protein A.
<b>Conjugation</b>	Unconjugated
<b>Note</b>	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.
<b>Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.</b>	

## DATA IMAGES



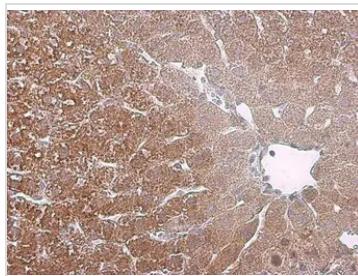
## GTX634218 ELISA Image

Sandwich ELISA detection of non-transfected and transfected 293T whole cell extracts using GTX634218 as capture antibody at concentration of 5 µg/mL and GTX109242 as detection antibody at concentration of 1 µg/mL. Rabbit IgG antibody (HRP) (GTX213110-01) was diluted at 1:10000 and used to detect the primary antibody.



## GTX634218 WB Image

Rat tissue extract (50 µg) was separated by 12% SDS-PAGE, and the membrane was blotted with Arginase 1 antibody [GT5811] (GTX634218) diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



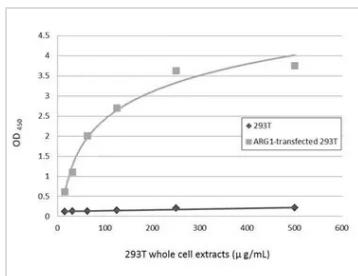
## GTX634218 IHC-P Image

Arginase 1 antibody [GT5811] detects Arginase 1 protein at cytoplasm in mouse liver by immunohistochemical analysis.

Sample: Paraffin-embedded mouse liver.

Arginase 1 antibody [GT5811] (GTX634218) diluted at 1:1000.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



## GTX634218 ELISA Image

Sandwich ELISA detection of non-transfected and transfected 293T whole cell extracts using GTX634218 as capture antibody at concentration of 5 µg/mL and GTX113131 as detection antibody at concentration of 1 µg/mL. Rabbit IgG antibody (HRP) (GTX213110-01) was diluted at 1:10000 and used to detect the primary antibody.



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