

## Product Datasheet

### Arginase I Antibody (orb20124)

<b>Catalog Number</b>	orb20124
<b>Category</b>	Antibodies
<b>Description</b>	Goat polyclonal antibody to ARG1
<b>Target</b>	Arginase I
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Goat
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Mouse, Porcine, Rat
<b>Predicted Reactivity</b>	Bovine, Canine
<b>Buffer/Preservatives</b>	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Protein Sequence</b>	CFGLAREGNHKPID
<b>RRID</b>	AB_10768330
<b>MW</b>	34.7
<b>Tested applications</b>	ELISA, IF, WB

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**Dilution range**

Peptide ELISA: antibody detection limit dilution 1:4000. Western blot: Approx.37kDa band observed in Human Liver lysates (calculated MW of 34.7kDa according to NP\_000036.2) . Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature. Immunofluorescence: Strong expression of the protein seen in the cytoplasm of K562 cells. Recommended concentration: 10µg/ml.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Note**

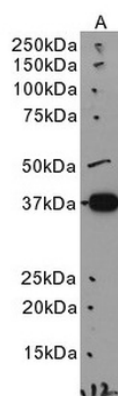
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**Entrez**

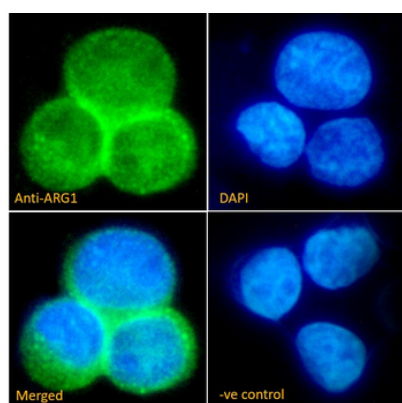
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**Expiration Date**

12 months from date of receipt.



Primary incubation 1 hour at room temperature. Image A: Human Liver lysate at primary Ab concentration 0.5 ug/ml. (Loaded 35 µg protein in RIPA buffer, per lane). Detected by chemiluminescence.



Immunofluorescence analysis of paraformaldehyde fixed K562. Primary incubation 1hr (1:50 dilution) followed by Alexa Fluor® 488 secondary antibody (1:2000 dilution), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Anti-Goat IgG followed by Alexa Fluor® 488 secondary antibody.

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