# antibodies .- online.com







# anti-ARG2 antibody (Center)

**Images** 

**Publications** 



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Quantity:	100 μL
Target:	ARG2
Binding Specificity:	Center
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARG2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

#### **Product Details**

Immunogen:	Recombinant protein encompassing a sequence within the center region of human ARG2. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to Arginase II (arginase, type II)  Arginase II antibody
Purification:	Purified by antigen-affinity chromatography.

### **Target Details**

Target: ARG2

## **Target Details**

Alternative Name:	arginase 2 (ARG2 Products)
Background:	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.
	Cellular Localization: Mitochondrion
Molecular Weight:	39 kDa
Gene ID:	384
UniProt:	P78540
Application Details	
Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined
	by the researcher. Not tested in other applications.
Comment:	Positive Control: mouse kidney , 293T cytoplasm extract , NT2D1
	Validation: Orthogonal
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.32 mg/mL
Buffer:	1XPBS (pH 7), 1 % BSA, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	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

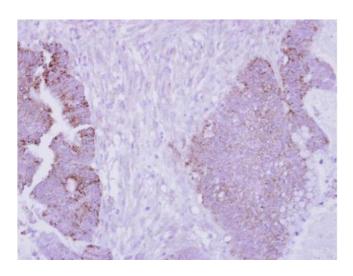
multiple freeze-thaw cycles.

#### **Publications**

Product cited in:

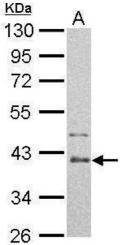
Shirozu, Iwano, Ogiso, Suzuki, Balboula, Bai, Kawahara, Kimura, Takahashi, Rulan, Kim, Yanagawa, Nagano, Imakawa, Takahashi: "Estrous cycle stage-dependent manner of type I interferon-stimulated genes induction in the bovine endometrium." in: **The Journal of reproduction and development**, Vol. 63, Issue 3, pp. 211-220, (2018) (PubMed).

#### **Images**



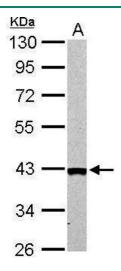
#### **Immunohistochemistry**

**Image 1.** IHC-P Image Immunohistochemical analysis of paraffin-embedded human colon carcinoma, using Arginase II, antibody at 1:250 dilution.



#### **Western Blotting**

**Image 2.** WB Image Arginase II antibody detects ARG2 protein by Western blot analysis. A. 30  $\mu$ g NT2D1 whole cell lysate/extract 10 % SDS-PAGE Arginase II antibody , dilution: 1:1000



#### **Western Blotting**

**Image 3.** WB Image Arginase II antibody detects ARG2 protein by Western blot analysis. A. 50  $\mu$ g mouse kidney lysate/extract 10 % SDS-PAGE Arginase II antibody , dilution: 1:1000