

**Aconitase 2 Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF3124a

**Specification**

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**Aconitase 2 Antibody (internal region) - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">Q99798</a>
Other Accession	<a href="#">NP_001089.1</a> , <a href="#">50</a> , <a href="#">11429 (mouse)</a> , <a href="#">79250 (rat)</a>
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	85425

**Aconitase 2 Antibody (internal region) - Additional Information**

**Gene ID** 50

**Other Names**

Aconitate hydratase, mitochondrial, Aconitase, 4.2.1.3, Citrate hydro-lyase, ACO2

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Aconitase 2 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**Aconitase 2 Antibody (internal region) - Protein Information**

**Name** ACO2

**Function**

Catalyzes the isomerization of citrate to isocitrate via cis- aconitate.

**Cellular Location**

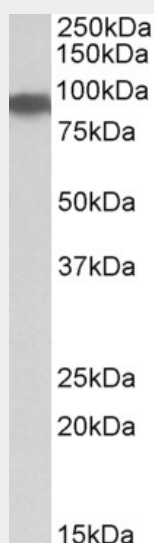
Mitochondrion {ECO:0000250|UniProtKB:P16276}.

## Aconitase 2 Antibody (internal region) - Protocols

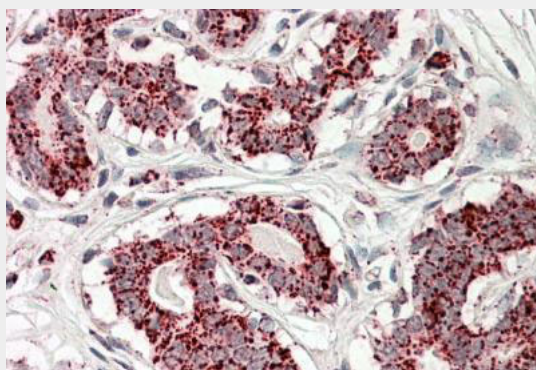
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Aconitase 2 Antibody (internal region) - Images



AF3124a (0.01  $\mu\text{g/ml}$ ) staining of Heart lysate (35  $\mu\text{g}$  protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF3124a (3.8  $\mu\text{g/ml}$ ) staining of paraffin embedded Human Breast. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

## Aconitase 2 Antibody (internal region) - References

Lon protease preferentially degrades oxidized mitochondrial aconitase by an ATP-stimulated mechanism. Bota DA, Davies KJ. Nat Cell Biol. 2002 Sep;4(9):674-80. PMID: 12198491