

# Product Datasheet

## Aconitase 2 Antibody NBP1-52014

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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### Publications: 1

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**NBP1-52014**

## Aconitase 2 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Host	Goat
Gene ID	50
Gene Symbol	ACO2
Species	Human
Immunogen	Peptide with sequence C-QHVDVSPTSQRLQ corresponding to internal region according to NP_001089.1.

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Western Blot 0.01 - 0.03 ug/ml, Immunohistochemistry 3 - 5 ug/ml, Immunohistochemistry-Paraffin 3 - 5 ug/ml, Peptide ELISA Detection limit 1:32000
Application Notes	IF: An anonymous customer has reported weak pixulate staining in the cytoplasm of HeLa WB: Approx. 90 kDa band observed in human heart lysates (calculated MW of 85.4 kDa band according to NP_001089.1). IHC-P: Human breast shows mitochondrial staining in the epithelial cells of the ducts.

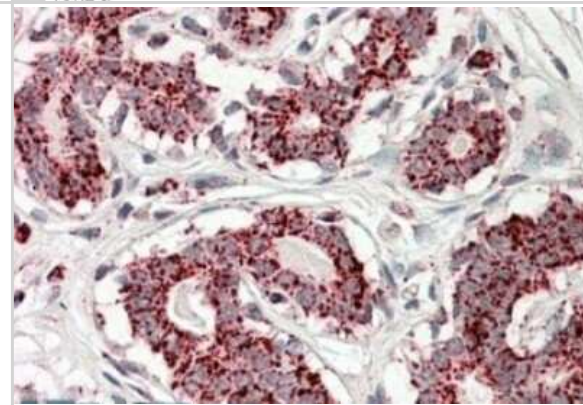


## Images

Western Blot: Aconitase 2 Antibody [NBP1-52014] - (0.01ug/ml) staining of Heart lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
25kDa  
20kDa  
15kDa

Immunohistochemistry-Paraffin: Aconitase 2 Antibody [NBP1-52014] - (3.8ug/ml) staining of paraffin embedded Human Breast. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

Bota DA, Davies KJ. Lon protease preferentially degrades oxidized mitochondrial aconitase by an ATP-stimulated mechanism. Nat Cell Biol 2002-09-01 [PMID: 12198491]



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### Products Related to NBP1-52014

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HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
H00000050-P01-10ug	Recombinant Human Aconitase 2 GST (N-Term) Protein

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### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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