

# Product Datasheet

## Carbonic Anhydrase I/CA1 Antibody NBP1-36740

Unit Size: 0.1 mg

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

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### Publications: 1

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**NBP1-36740**

## Carbonic Anhydrase I/CA1 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	
Description	Novus Biologicals Goat Carbonic Anhydrase I/CA1 Antibody (NBP1-36740) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-Carbonic Anhydrase I/CA1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	759
Gene Symbol	CA1
Species	Human
Specificity/Sensitivity	Reported variants represent identical protein: NP_001729.1, NP_001122303.1, NP_001122302.1, NP_001122301.1.
Immunogen	Peptide with sequence C-QAIKTKGKRAP corresponding to internal region according to NP_001729.1.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Western Blot 0.03 - 0.1 ug/ml, Immunohistochemistry 2.5 ug/ml, Immunohistochemistry-Paraffin 2.5 ug/ml, Peptide ELISA Detection limit 1:64000
Application Notes	Western blot: Approx 29kDa band observed in Human Liver lysates (calculated MW of 28.9kDa according to NP_001729.1.Primary incubation was 1 hour. IHC: Paraffin embedded Human Spleen.

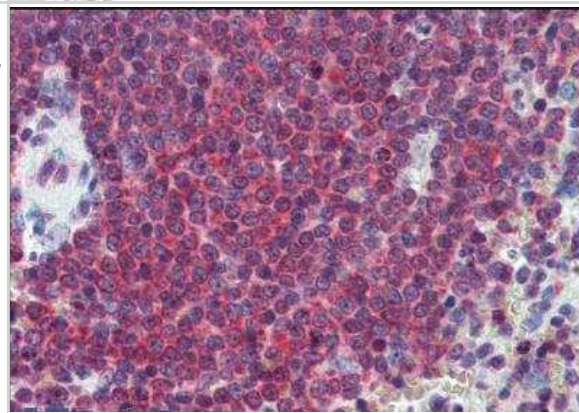


## Images

Western Blot: Carbonic Anhydrase I/CA1 Antibody [NBP1-36740] - (0.03ug/ml) staining of Human Liver lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.

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

Immunohistochemistry-Paraffin: Carbonic Anhydrase I/CA1 Antibody [NBP1-36740] - (2.5ug/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. Click



## Publications

Gambhir KK, Ornasir J, Headings V, Bonar A. Decreased total carbonic anhydrase esterase activity and decreased levels of carbonic anhydrase 1 isozyme in erythrocytes of type II diabetic patients. *Biochem Genet* 2007-06-01 [PMID: 17464559]



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### Products Related to NBP1-36740

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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

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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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