

# Product Datasheet

## Aldolase A Antibody - BSA Free NBP1-87488

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 5

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**NBP1-87488**

Aldolase A Antibody - BSA Free

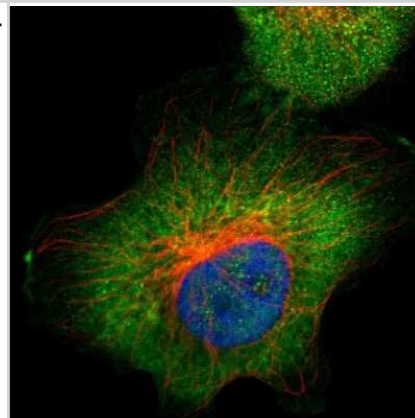
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

Product Description	
<b>Description</b>	Novus Biologicals Rabbit Aldolase A Antibody - BSA Free (NBP1-87488) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Aldolase A Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	226
<b>Gene Symbol</b>	ALDOA
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: IVAPGKGI LADESTGSIKRLQSIGTENTEENRRFYRQLLLTADDRVNPCIGGVI LFHETLYQKADDGRFPFQVIKSKGGVVGIVDKGVVPLAGTNGETTTQGL

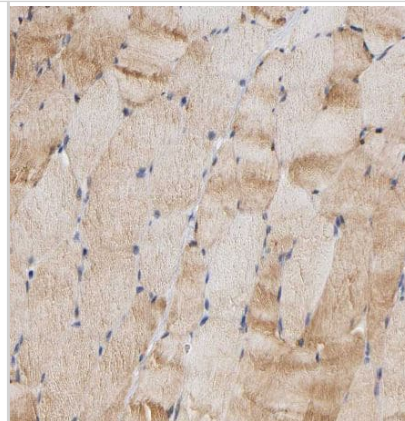
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

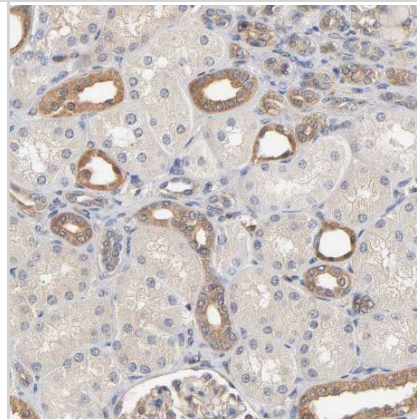
Immunocytochemistry/Immunofluorescence: Aldolase A Antibody [NBP1-87488] - Staining of human cell line U-251 MG shows localization to cytosol. Antibody staining is shown in green.



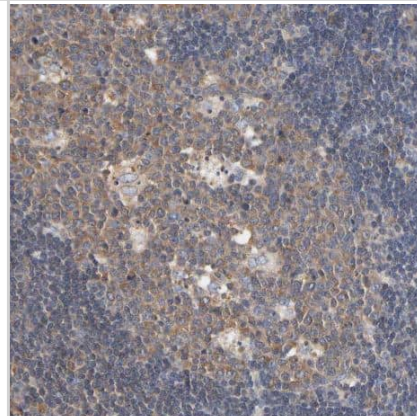
Aldolase A Antibody [NBP1-87488] - Staining of human skeletal muscle shows moderate cytoplasmic positivity in myocytes.



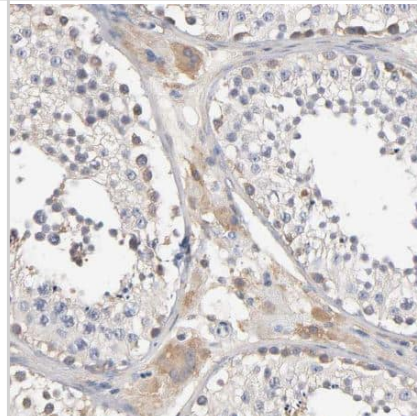
Aldolase A Antibody [NBP1-87488] - Staining of human kidney shows moderate cytoplasmic positivity in cells in distal tubules.



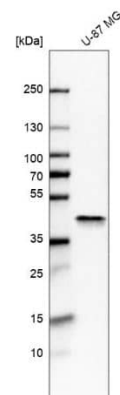
Aldolase A Antibody [NBP1-87488] - Staining of human lymph node shows moderate cytoplasmic positivity in germinal center cells.



Aldolase A Antibody [NBP1-87488] - Staining of human testis shows weak cytoplasmic positivity in Leydig cells.



Aldolase A Antibody [NBP1-87488] -Analysis in human cell line U-87 MG.



## Publications

Monterisi S, Michl J, Hulikova A et al. Solute exchange through gap junctions lessens the adverse effects of inactivating mutations in metabolite-handling genes eLife 2022-09-15 [PMID: 36107487] (WB, Human)

Rossi M, Altea-Manzano P, Demicco M et al. PHGDH heterogeneity potentiates cancer cell dissemination and metastasis Nature 2022-05-01 [PMID: 35585241] (WB)

Morisaki T, Yashiro M, Kakehashi A, et al. Comparative Proteomics Analysis of Gastric Cancer Stem Cells PLoS One. 2014-11-07 [PMID: 25379943] (IF/IHC, WB, Human)

### Details:

Chorein/VPS13A antibody used for IHC- P at 1:500 dilution on gastric cancer tissue specimens - antigen retrieval for 10 minutes at 105C by autoclave in Target Retrieval Solution, endogenous peroxidase blocked with 3%H<sub>2</sub>O<sub>2</sub>, On/4C incubation for primary, streptavidin-peroxidase-DAB detection (Figure 3).

Kjellin H, Johansson H, Hoog A et al. Differentially Expressed Proteins in Malignant and Benign Adrenocortical Tumors. PLoS One 2014-01-01 [PMID: 24498411]

Du S, Guan Z, Hao L et al. Fructose-Bisphosphate Aldolase A Is a Potential Metastasis-Associated Marker of Lung Squamous Cell Carcinoma and Promotes Lung Cell Tumorigenesis and Migration. PLoS One 2014-01-01 [PMID: 24465716]



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### **Products Related to NBP1-87488**

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NBP1-87488PEP	Aldolase A Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit 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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