

# Product Datasheet

## AE2 Antibody - BSA Free NBP1-90225

Unit Size: 0.1 ml

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

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### Publications: 1

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Updated 2/21/2025 v.20.1

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**NBP1-90225**

AE2 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>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

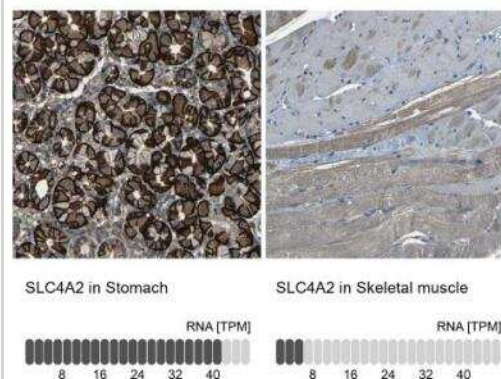
<b>Host</b>	Rabbit
<b>Gene ID</b>	6522
<b>Gene Symbol</b>	SLC4A2
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: KHSHPSEKDFSFPRNISAGSLGSLLGHHHGQGAESDPHVTEPLMGGVPETR LEVERERELPPPAPPAGITRSKSKHELKLEKI

**Product Application Details**

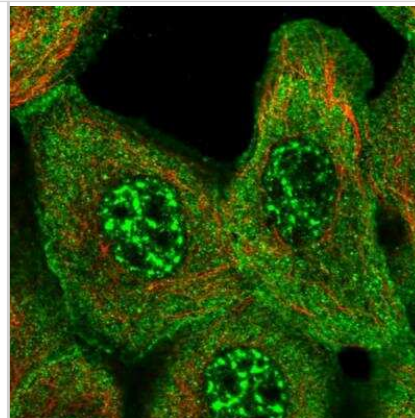
<b>Applications</b>	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

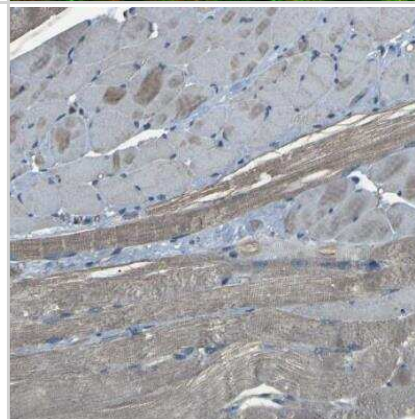
Immunohistochemistry-Paraffin: AE2 Antibody [NBP1-90225] - Analysis in human stomach and skeletal muscle tissues using NBP1-90225 antibody. Corresponding SLC4A2 RNA-seq data are presented for the same tissues.



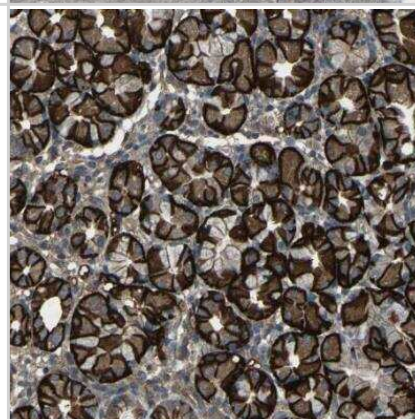
Immunocytochemistry/Immunofluorescence: AE2 Antibody [NBP1-90225] - Staining of human cell line A-431 shows localization to nuclear speckles, plasma membrane & cytosol. Antibody staining is shown in green.



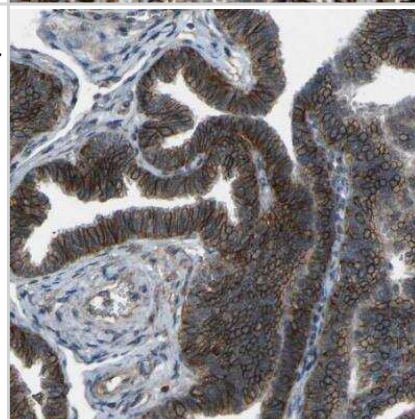
Immunohistochemistry-Paraffin: AE2 Antibody [NBP1-90225] - Staining of human skeletal muscle shows no membranous positivity in myocytes as expected.



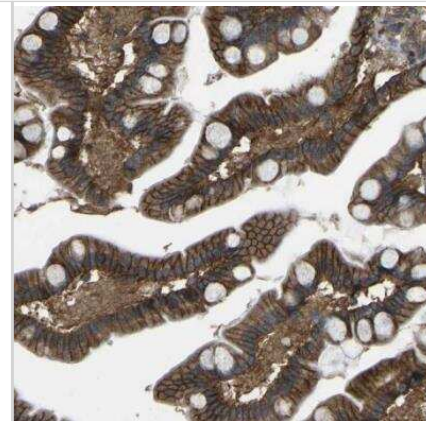
Immunohistochemistry-Paraffin: AE2 Antibody [NBP1-90225] - Staining of human stomach shows strong membranous positivity in glandular cells.



Immunohistochemistry-Paraffin: AE2 Antibody [NBP1-90225] - Staining of human fallopian tube shows strong membranous positivity in glandular cells.



Immunohistochemistry-Paraffin: AE2 Antibody [NBP1-90225] - Staining of human gastrointestinal shows strong membranous positivity in glandular cells.



## Publications

Shiozaki A, Hikami S, Ichikawa D et al. Anion exchanger 2 suppresses cellular movement and has prognostic significance in esophageal squamous cell carcinoma Oncotarget. [PMID: 29899837] (IF/IHC, Human)



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### **Products Related to NBP1-90225**

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NBP1-90225PEP	AE2 Recombinant Protein Antigen
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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