

# Product Datasheet

## ORAI3 Antibody - BSA Free

### NBP1-93523

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: 4**

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**NBP1-93523**

ORAI3 Antibody - BSA Free

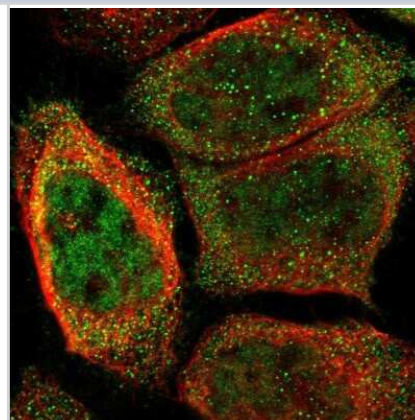
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<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 ORAI3 Antibody - BSA Free (NBP1-93523) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-ORAI3 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	93129
<b>Gene Symbol</b>	ORAI3
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: APLDTPTPMVPTSRVPGTLAPVATSLSPASNLPRSSASAAPSQAEPACPPRQA CGGGGAHGPGWQA

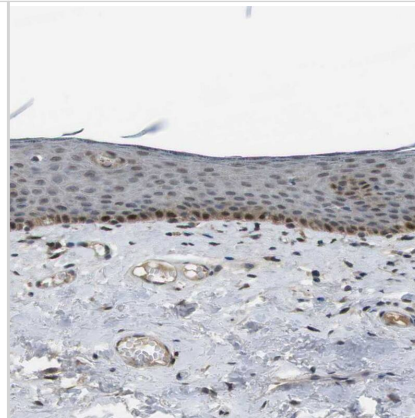
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot Reactivity reported in (PMID: 25126575). , Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

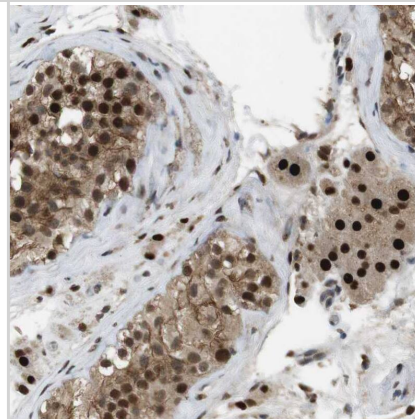
Immunocytochemistry/Immunofluorescence: ORAI3 Antibody [NBP1-93523] - Staining of human cell line A-431 shows localization to nucleoplasm & cytosol. Antibody staining is shown in green.



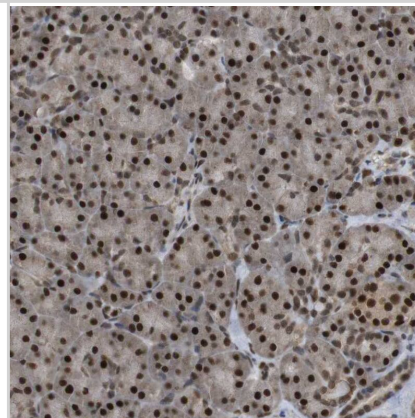
Staining of human skin shows moderate cytoplasmic positivity in basal squamous epithelial cells.



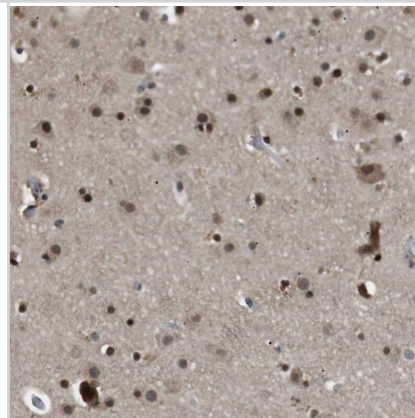
Staining of human testis shows strong nuclear positivity in cells in seminiferous ducts and Leydig cells.



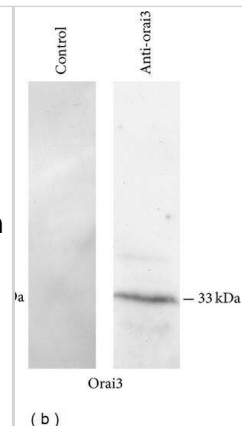
Staining of human pancreas shows strong nuclear positivity in exocrine glandular cells.



Staining of human cerebral cortex shows strong nuclear positivity in glial cells and neurons.



Expression of Stim1-2, Orai1, Orai3, TRPC1, and TRPC3/6/7 proteins in mRCC cells. Expression of Orai1, 3, Stim1, 2, TRPC1, and TRPC3/6/7 proteins in mRCC. Blots representative of two were shown. Lanes were loaded with 30  $\mu$ g of proteins, probed with affinity purified antibodies and processed as described in Section 2. Major bands of the expected molecular weights were observed. Bands were acquired with the Image Master VDS (Amersham Biosciences Europe, Italy).  $\beta$ -actin (d) has been exploited as housekeeping protein. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/25126575>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Angulo J, Fernández A, Sevilleja-Ortiz A et al. Upregulation of Orai Channels Contributes to Aging-Related Vascular Alterations in Rat Coronary Arteries *International Journal of Molecular Sciences* 2023-08-29 [PMID: 37686206]

Sevilleja-Ortiz A, El Assar M, Garcla-Rojo E Et al. Ageing-induced hypercontractility is related to functional enhancement of STIM/Orai and upregulation of Orai 3 in rat and human penile tissue *Mech Ageing Dev* 2021-10-26 [PMID: 34699858] (IF/IHC, Human, Rat)

Details:

Citation using the HRP version of this antibody.

Dragoni S, Turin I, Laforenza U et al. Store-Operated Ca<sup>2+</sup> Entry Does Not Control Proliferation in Primary Cultures of Human Metastatic Renal Cellular Carcinoma. *Biomed Res Int* 2014-01-01 [PMID: 25126575] (WB, Human)

Dragoni S, Laforenza U, Bonetti E et al. Enhanced Expression of Stim, Orai, and TRPC Transcripts and Proteins in Endothelial Progenitor Cells Isolated from Patients with Primary Myelofibrosis. *PLoS One* 2014-01-01 [PMID: 24603752]



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### **Products Related to NBP1-93523**

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NBP1-93523PEP	ORAI3 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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

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