

# Product Datasheet

## Orai1 Antibody - BSA Free

### NBP1-77289

Unit Size: 0.1 mg

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

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



[technical@novusbio.com](mailto:technical@novusbio.com)

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**NBP1-77289**

Orai1 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS

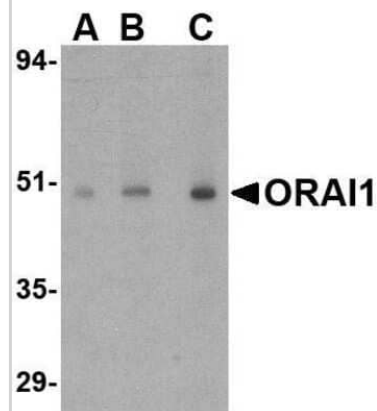
Product Description	
Host	Rabbit
Gene ID	84876
Gene Symbol	ORAI1
Species	Human, Mouse
Specificity/Sensitivity	This antibody is predicted to have no cross-reactivity to ORAI2 or ORAI3.
Immunogen	Antibody was raised against a 16 amino acid synthetic peptide from near the carboxy terminus of human ORAI1. The immunogen is located within the last 50 amino acids of ORAI1. Amino Acid Squence: QDQLDHRGDHPLTPG

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.5-2 ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 2.5 ug/ml, Immunocytochemistry/ Immunofluorescence 20 ug/ml, Immunohistochemistry-Paraffin 2.5 ug/ml
Application Notes	ORAI1 often migrates at a higher than expected molecular weight in SDS-PAGE.

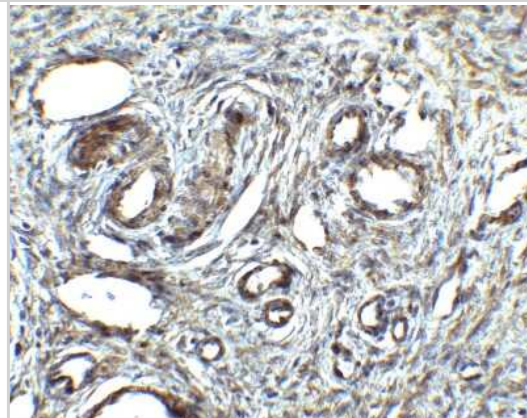


**Images**

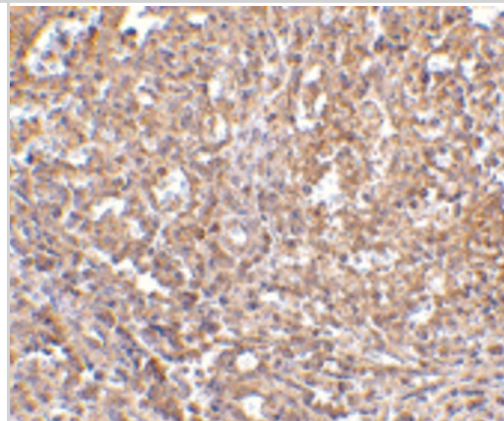
Western Blot: Orai1 Antibody - BSA Free [NBP1-77289] - Human ovary tissue lysate with ORAI1 antibody at (A) 0.5, (B) 1 and (C) 2 ug/mL.



Immunohistochemistry-Paraffin: Orai1 Antibody - BSA Free [NBP1-77289] - Analysis of ORAI1 in human ovary tissue with ORAI1 antibody at 2.5 ug/ml.

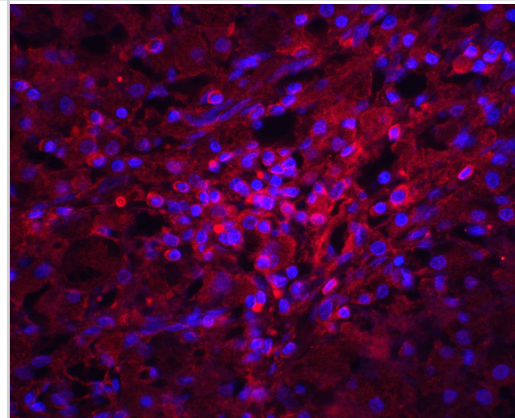


Immunohistochemistry: Orai1 Antibody - BSA Free [NBP1-77289] - Immunohistochemistry of Orai1 in human spleen tissue with Orai1 antibody at 2.5 u/mL.



Immunocytochemistry/ Immunofluorescence: Orai1 Antibody - BSA Free [NBP1-77289] - Immunofluorescence of Orai1 in human ovary tissue with Orai1 antibody at 20 ug/mL.

Red: Orai1 Antibody  
Blue: DAPI staining



## 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] (Immunohistochemistry, Human, Rat)

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.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP1-77289**

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NBP1-77289PEP	Orai1 Antibody Blocking Peptide
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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