

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.

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NBP1-77289

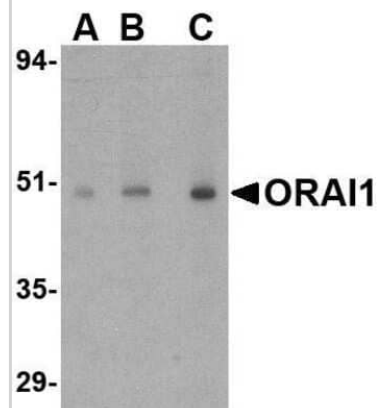
Orai1 Antibody - BSA Free

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 Sequence: QDQLDHRGDHPLTPG
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
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.

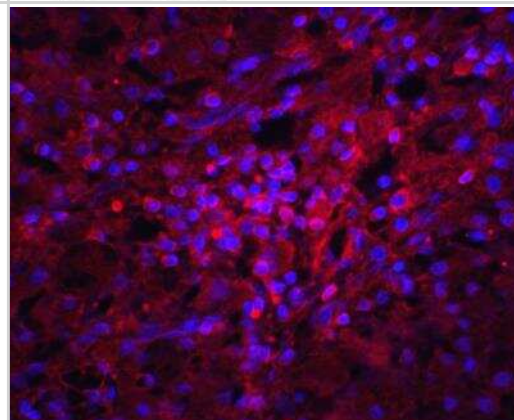


Images

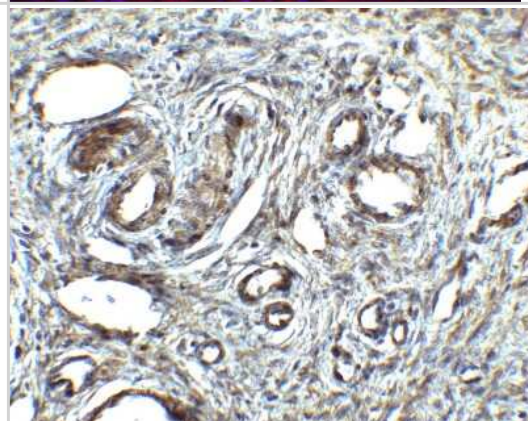
Western Blot: Orai1 Antibody - BSA Free [NBP1-77289] - Human ovary tissue lysate with ORAI1 antibody at (A) 0.5, (B) 1 and (C) 2 ug/mL.



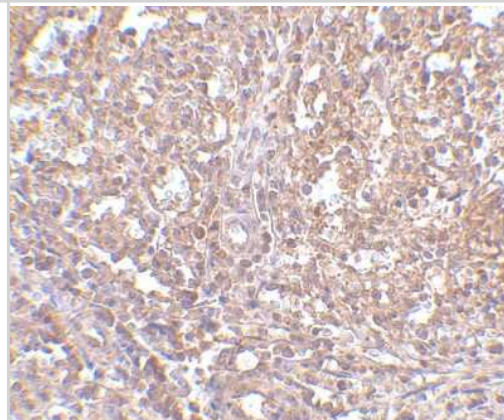
Immunocytochemistry/Immunofluorescence: Orai1 Antibody - BSA Free [NBP1-77289] - Human ovary tissue with ORAI1 antibody at 20 ug/mL.
Red: ORAI1 Antibody Blue: DAPI staining



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



Immunohistochemistry-Paraffin: Orai1 Antibody - BSA Free [NBP1-77289] - Human spleen tissue with ORAI1 antibody at 2.5 ug/ml.



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, Immunocytochemistry/ Immunofluorescence)

Sevilleja-Ortiz A, El Assar M, García-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.





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Products Related to NBP1-77289

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

Limitations

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