

Product Datasheet

Orai1 Antibody (6D11A11) - BSA Free NBP1-75523

Unit Size: 0.1 mg

Store at -20 degrees C. Avoid freeze/thaw cycles.

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NBP1-75523

Orai1 Antibody (6D11A11) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at -20 degrees C. Avoid freeze/thaw cycles.
Clonality	Monoclonal
Clone	6D11A11
Preservative	0.02% Sodium Azide
Isotype	IgG2b
Purity	Protein A purified
Buffer	PBS
Target Molecular Weight	50 kDa

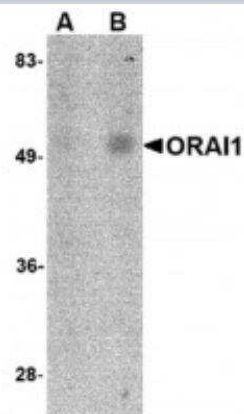
Product Description	
Host	Mouse
Gene ID	84876
Gene Symbol	ORAI1
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Specificity/Sensitivity	ORAI1 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.

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-2 ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 2.5 ug/ml, Immunocytochemistry/ Immunofluorescence 20 ug/mL, Immunohistochemistry-Paraffin 2.5 ug/ml

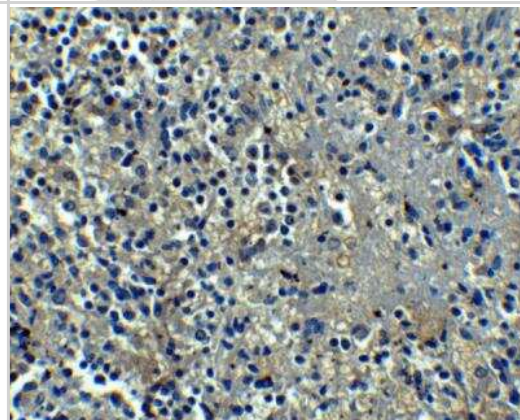


Images

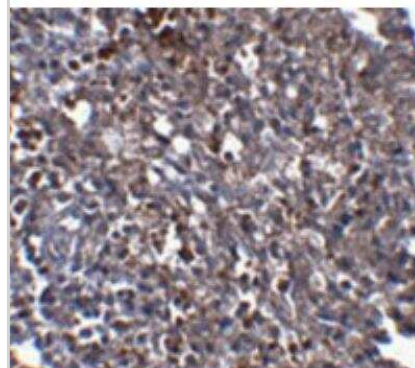
Western Blot: Orai1 Antibody (6D11A11) [NBP1-75523] - analysis of ORAI1 in human spleen tissue lysate with ORAI1 antibody at (A) 1 and (B) 2 ug/mL.



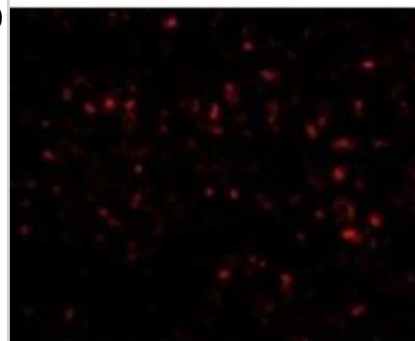
Immunohistochemistry-Paraffin: Orai1 Antibody (6D11A11) [NBP1-75523] - Human spleen tissue with ORAI1 antibody at 5 ug/mL.



Immunohistochemistry: Orai1 Antibody (6D11A11) [NBP1-75523] - ORAI1 in human spleen tissue with ORAI1 antibody at 2.5 ug/mL.



Immunocytochemistry/Immunofluorescence: Orai1 Antibody (6D11A11) [NBP1-75523] - ORAI1 in Human Spleen cells with ORAI1 antibody at 20 ug/mL.



Publications

Tandl D, Sponagel T, Alansary D et al. X-ray irradiation triggers immune response in human T-lymphocytes via store-operated Ca²⁺ entry and NFAT activation *The Journal of general physiology* [PMID: 35416945] (ICC/IF, Human)

Tandl D X-ray irradiation triggers via ROS production a canonical Ca²⁺-dependent immune response in T-lymphocytes Thesis 2021-01-01 (ICC/IF, Human)





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Products Related to NBP1-75523

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NBP1-76762PEP	Orai1 Antibody Blocking Peptide

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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