

Datasheet for ABIN7600605
anti-ORAI2 antibody (AA 21-254)



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Overview

Quantity:	100 µg
Target:	ORAI2
Binding Specificity:	AA 21-254
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ORAI2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-Orai2 Antibody Picoband®
Immunogen:	E.coli-derived human Orai2 recombinant protein (Position: H21-L254).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Orai2 Antibody Picoband® (ABIN7600605). Tested in ELISA, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	Orai2
Alternative Name:	Orai2 (Orai2 Products)
Background:	Synonyms: BAG family molecular chaperone regulator 5,BAG-5,Bcl-2-associated athanogene 5,BAG5,KIAA0873, Tissue Specificity: Expressed in all tissues examined with lower levels in brain and testis. Background: Protein orai-2 is a protein that in humans is encoded by the Orai2 gene. Orai2 transcripts are predominantly expressed in kidney, lung, and spleen, and it appears that Orai2 is the only Orai isoform with multiple transcripts. Co-expresssion of Orai2 and STIM1 was shown to produce currents that appear similar but smaller than those produced by co-expression of Orai1 and STIM1.
Molecular Weight:	39 kDa
Gene ID:	80228

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Feske, S., Gwack, Y., Prakriya, M., Srikanth, S., Puppel, S.-H., Tanasa, B., Hogan, P. G., Lewis, R. S., Daly, M., Rao, A. A mutation in Orai1 causes immune deficiency by abrogating CRAC channel function. Nature 441: 179-185, 2006. 2. Mercer, J. C., DeHaven, W. I., Smyth, J. T., Wedel, B., Boyles, R. R., Bird, G. S., Putney, J. W., Jr. Large store-operated calcium selective currents due to co-expression of Orai1 or Orai2 with the intracellular calcium sensor, Stim1. J. Biol. Chem. 281: 24979-24990, 2006.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.01 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.