Datasheet for ABIN7600069

anti-RHBDF2 antibody (AA 145-529)

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Overview

Quantity:	100 µg
Target:	RHBDF2
Binding Specificity:	AA 145-529
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RHBDF2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-RHBDF2 Antibody Picoband®
Immunogen:	E.coli-derived human RHBDF2 recombinant protein (Position: H145-D529).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-RHBDF2 Antibody Picoband® (ABIN7600069). Tested in ELISA, Flow Cytometry, 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:	RHBDF2
Alternative Name:	RHBDF2 (RHBDF2 Products)
Background:	Synonyms: Chromaffin granule amine transporter, Solute carrier family 18 member 1, Vesicular amine transporter 1, VAT1, SLC18A1, VAT1, VMAT1 Tissue Specificity: Highly expressed in chromaffin cells of the adrenal medulla (at protein level). Detected in peripheral sympathetic ganglia (at protein level). Found in some paracrine cells in stomach and duodenum (at protein level). Background: Rhomboid family member 2 is a protein that in humans is encoded by the RHBDF2 gene. Predicted to enable protein transporter activity. Predicted to be involved in negative regulation of protein secretion and regulation of epidermal growth factor receptor signaling pathway. Located in plasma membrane. Implicated in palmoplantar keratoderma-esophageal carcinoma syndrome.
Molecular Weight:	97 kDa
Gene ID:	79651
Pathways:	Growth Factor Binding

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Adrain, C., Zettl, M., Cristova, Y., Taylor, N., Freeman, M. Tumor necrosis factor signaling requires iRhom2 to promote trafficking and activation of TACE. Science 335: 225-228, 2012. 2. Blaydon, D. C., Etheridge, S. L., Risk, J. M., Hennies, H.-C., Gay, L. J., Carroll, R., Plagnol, V., McRonald, F. E., Stevens, H. P., Spurr, N. K., Bishop, D. T., Ellis, A., Jankowski, J., Field, J. K., Leigh, I. M., South, A. P., Kelsell, D. P. RHBDF2 mutations are associated with tylosis, a familial esophageal cancer syndrome. Am. J. Hum. Genet. 90: 340-346, 2012. 3. Brooke, M. A., Etheridge, S. L., Kaplan, N., Simpson, C., O'Toole, E. A., Ishida-Yamamoto, A., Marches, O., Getsios, S., Kelsell, D. P. iRHOM2-dependent regulation of ADAM17 in cutaneous disease and epidermal barrier function. Hum. Molec. Genet. 23: 4064-4076, 2014.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	Adding 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.
Storage:	4 °C,-20 °C
Storage Comment:	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 freezing and thawing.