Datasheet for ABIN7601095

anti-RFX3 antibody (AA 283-749)

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Overview

Quantity:	100 µg
Target:	RFX3
Binding Specificity:	AA 283-749
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RFX3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-RFX3 Antibody Picoband®
Immunogen:	E.coli-derived human RFX3 recombinant protein (Position: Q283-V749).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-RFX3 Antibody Picoband® (ABIN7601095). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. 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:	RFX3
Alternative Name:	RFX3 (RFX3 Products)
Background:	Synonyms: Cadherin-4, Retinal cadherin, R-CAD, R-cadherin, CDH4 Tissue Specificity: Expressed mainly in brain but also found in other tissues. Background: Transcription factor RFX3 is a protein that in humans is encoded by the RFX3 gene. This gene is a member of the regulatory factor X gene family, which encodes transcription factors that contain a highly-conserved winged helix DNA binding domain. The protein encoded by this gene is structurally related to regulatory factors X1, X2, X4, and X5. It is a transcriptional activator that can bind DNA as a monomer or as a heterodimer with other RFX family members. Multiple transcript variants encoding different isoforms have been described for this gene.
Molecular Weight:	95 kDa
Gene ID:	5991
UniProt:	P48380

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Immunofluorescence, 5 µg/mL, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Baas, D., Meiniel, A., Benadiba, C., Bonnafe, E., Meiniel, O., Reith, W., Durand, B. A deficiency in RFX3 causes hydrocephalus associated with abnormal differentiation of ependymal cells. Europ. J. Neurosci. 24: 1020-1030, 2006. 2. Bonnafe, E., Touka, M., AitLounis, A., Baas, D., Barras, E., Ucla, C., Moreau, A., Flamant, F., Dubruille, R., Couble, P., Collignon, J., Durand, B., Reith, W. The transcription factor RFX3 s nodal cilium development and left-right asymmetry specification. Molec. Cell. Biol. 24: 4417-4427, 2004. 3. Elkon, R., Milon, B., Morrison, L., Shah, M., Vijayakumar, S., Racherla, M., Leitch, C. C., Silipino, L., Hadi, S., Weiss-Gayet, M., Barras, E., Schmid, C. D., and 12 others. RFX transcription factors are essential for hearing in mice. Nature Commun. 6: 8549, 2015. Note: Electronic Article.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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.