

Datasheet for ABIN5519012
anti-IL17B antibody (AA 21-180)



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1 Image

Overview

Quantity:	100 µg
Target:	IL17B
Binding Specificity:	AA 21-180
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL17B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-IL17B Antibody Picoband®
Immunogen:	E. coli-derived human IL17B recombinant protein (Position: Q21-F180).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-IL17B Antibody Picoband® (ABIN5519012). Tested in ELISA, 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:	IL17B
Alternative Name:	IL17B (IL17B Products)
Background:	Synonyms: Interleukin-17B, IL-17B, Cytokine Zcyto7, Interleukin-20, IL-20, Neuronal interleukin-17-related factor, IL17B, IL20, NIRF, ZCYTO7, UNQ516/PRO1031, Tissue Specificity: Expressed in adult pancreas, small intestine, stomach, spinal cord and testis. Less pronounced expression in prostate, colon mucosal lining, and ovary. Background: The protein encoded by this gene is a T cell-derived cytokine that shares sequence similarity with IL17. This cytokine was reported to stimulate the release of TNF alpha (TNF) and IL1 beta (IL1B) from a monocytic cell line. Immunohistochemical analysis of several nerve tissues indicated that this cytokine is primarily localized to neuronal cell bodies.
Molecular Weight:	17 kDa
Gene ID:	27190

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL ELISA, 0.1-0.5 µg/mL 1. Moseley TA, Haudenschild DR, Rose L, Reddi AH (April 2003). "Interleukin-17 family and IL-17 receptors". Cytokine Growth Factor Rev. 14 (2): 155-74. 2. Yamaguchi, Y., Fujio, K., Shoda, H., Okamoto, A., Tsuno, N. H., Takahashi, K., Yamamoto, K. IL-17B and IL-17C are associated with TNF-alpha production and contribute to the exacerbation of inflammatory arthritis. J. Immun. 179: 7128-7136, 2007.
Comment:	We recommend Enhanced Chemiluminescent Kit with anti-Rabbit IgG (ABIN921124) for Western blot.
Restrictions:	For Research Use only

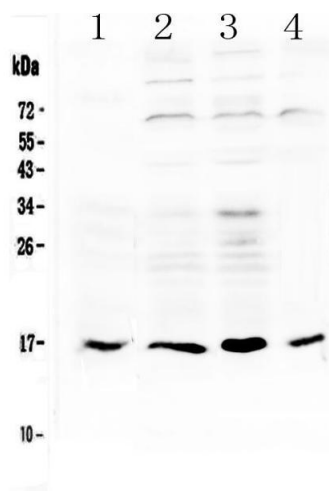
Handling

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 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which 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.

Images



Western Blotting

Image 1. Western blot analysis of IL17B using anti-IL17B antibody . Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each Lane was loaded with 50ug of sample under reducing conditions. Lane 1: rat gaster tissue lysates, Lane 2: human COLO-320 whole cell lysates, Lane 3: human Hela whole cell lysates, Lane 4: human SGC-7901 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-IL17B antigen affinity purified polyclonal antibody (Catalog #) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for IL17B at approximately 17KD. The expected band size for IL17B is at 20KD.