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Datasheet for ABIN6260619 anti-CD3 epsilon antibody (C-Term)

4 Images

1 Publication



Overview

Quantity:	100 µL
Target:	CD3 epsilon (CD3E)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD3 epsilon antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human CD3E, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	CD3 epsilon Antibody detects endogenous levels of total CD3 epsilon.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog,Chicken
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:

CD3 epsilon (CD3E)

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Target Details	
Alternative Name:	CD3E (CD3E Products)
Background:	Description: Part of the TCR-CD3 complex present on T-lymphocyte cell surface that plays an
	essential role in adaptive immune response. When antigen presenting cells (APCs) activate T-
	cell receptor (TCR), TCR-mediated signals are transmitted across the cell membrane by the
	CD3 chains CD3D, CD3E, CD3G and CD3Z. All CD3 chains contain immunoreceptor tyrosine-
	based activation motifs (ITAMs) in their cytoplasmic domain. Upon TCR engagement, these
	motifs become phosphorylated by Src family protein tyrosine kinases LCK and FYN, resulting in
	the activation of downstream signaling pathways (PubMed:2470098). In addition of this role of
	signal transduction in T-cell activation, CD3E plays an essential role in correct T-cell
	developement. Initiates the TCR-CD3 complex assembly by forming the two heterodimers
	CD3D/CD3E and CD3G/CD3E. Participates also in internalization and cell surface down-
	regulation of TCR-CD3 complexes via endocytosis sequences present in CD3E cytosolic region
	(PubMed:10384095, PubMed:26507128).
	Gene: CD3E
Molecular Weight:	23kDa
Gene ID:	916
UniProt:	P07766
Pathways:	TCR Signaling, CXCR4-mediated Signaling Events, Ubiquitin Proteasome Pathway
Application Details	
Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 %
	glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	abould be bandled by trained staff only

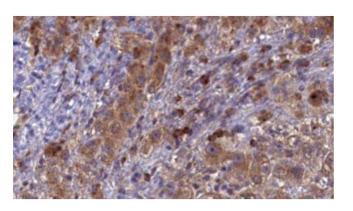
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN6260619 | 09/10/2023 | Copyright antibodies-online. All rights reserved.

should be handled by trained staff only.

Handling

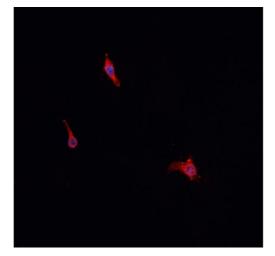
-20 °C
Store at -20 °C. Stable for 12 months from date of receipt.
12 months
Li, Wang, Yu, Wu, Hu, Wang, Ye: "miR-3619-5p inhibits prostate cancer cell growth by activating
CDKN1A expression." in: Oncology reports , Vol. 37, Issue 1, pp. 241-248, (2017) (PubMed).

Images



Immunohistochemistry

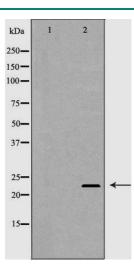
Image 1. ABIN6276857 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22_jãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary



Immunofluorescence (fixed cells)

Image 2. ABIN6276857 staining HepG2? cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25jãC. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37jãC. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.# S0006), diluted at 1/600, was used as secondary antibod

Images



Western Blotting

Image 3. Western blot analysis of extracts of Jurkat, using CD3E antibody. The lane on the left is treated with the antigen-specific peptide.

Please check the product details page for more images. Overall 4 images are available for ABIN6260619.