

Datasheet for ABIN3042333
anti-YES1 antibody (N-Term)



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2 Images

Overview

Quantity:	100 µg
Target:	YES1
Binding Specificity:	AA 7-35, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This YES1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-Yes1 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human Yes1, different from the related mouse sequence by six amino acids, and from the related rat sequence by seven amino acids.
Sequence:	KENKSPAIKY RPENTPEPVS TSVSHYGAE
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-Yes1 Antibody Picoband® (ABIN3042333). Tested in IHC, 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

Product Details

unmatched performance.

Purification: Immunogen affinity purified.

Target Details

Target: YES1

Alternative Name: YES1 ([YES1 Products](#))

Background: Synonyms: Tyrosine-protein kinase Yes,2.7.10.2,Proto-oncogene c-Yes,p61-Yes,YES1,YES,
Tissue Specificity: Expressed in the epithelial cells of renal proximal tubules and stomach as well as hematopoietic cells in the bone marrow and spleen in the fetal tissues. In adult, expressed in epithelial cells of the renal proximal tubules and present in keratinocytes in the basal epidermal layer of epidermis. .
Background: Proto-oncogene tyrosine-protein kinase Yes is an enzyme that in humans is encoded by the YES1 gene. This gene is the cellular homolog of the Yamaguchi sarcoma virus oncogene. The encoded protein has tyrosine kinase activity and belongs to the src family of proteins. This gene lies in close proximity to thymidylate synthase gene on chromosome 18, and a corresponding pseudogene has been found on chromosome 22. YES1 has been shown to interact with Janus kinase 2, CTNND1, RPL10 and Occludin.
Sequence Similarities: Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily.

Molecular Weight: 61 kDa

Gene ID: 7525

UniProt: [P07947](#)

Pathways: [CXCR4-mediated Signaling Events](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Thromboxane A2 Receptor Signaling](#)

Application Details

Application Notes: Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human
Western blot, 0.1-0.5 µg/mL, Human
1. "Entrez Gene: YES1 v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1" 2. Chen, Yan-Hua, Lu Qun, Goodenough Daniel A, Jeansonne Beverly (Apr 2002). "Nonreceptor tyrosine kinase c-Yes interacts with occludin during tight junction formation in canine kidney epithelial cells". Mol. Biol. Cell (United States) 13 (4): 1227-37.

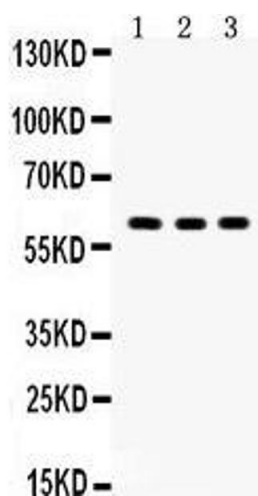
Application Details

Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

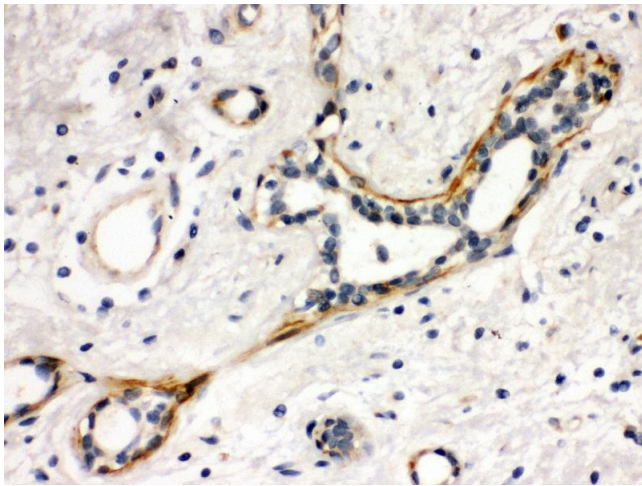
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
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.



Immunohistochemistry

Image 2. Anti- YES1 Picoband antibody,IHC(P) IHC(P):
Human Mammary Cancer Tissue