

Datasheet for ABIN7602944
anti-WNT7A antibody (C-Term)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	WNT7A
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WNT7A antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-WNT7A Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human WNT7A, identical to the related mouse sequences.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-WNT7A Antibody Picoband® (ABIN7602944). Tested in Flow Cytometry, 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:	WNT7A
Alternative Name:	WNT7A (WNT7A Products)
Background:	Synonyms: Dual specificity mitogen-activated protein kinase kinase 4, MAP kinase kinase 4, MAPKK 4, JNK-activating kinase 1, MAPK/ERK kinase 4, MEK 4, SAPK/ERK kinase 1, SEK1, Stress-activated protein kinase kinase 1, SAPK kinase 1, SAPKK-1, SAPKK1, c-Jun N-terminal kinase kinase 1, JNKK, MAP2K4, JNKK1, MEK4, MKK4, PRKMK4, SEK1, SERK1, SKK1 Tissue Specificity: Abundant expression is seen in the skeletal muscle. It is also widely expressed in other tissues. Background: This gene is a member of the WNT gene family, which consists of structurally related genes that encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is involved in the development of the anterior-posterior axis in the female reproductive tract, and also plays a critical role in uterine smooth muscle patterning and maintenance of adult uterine function. Mutations in this gene are associated with Fuhrmann and Al-Awadi / Raas - Rothschild / Schinzel phocomelia syndromes.
Molecular Weight:	39-40 kDa
Gene ID:	7476
UniProt:	O00755
Pathways:	WNT Signaling , Stem Cell Maintenance , Asymmetric Protein Localization

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human, Mouse 1. Dang Y, Qin Y, Tang R, Mu Y, Li G, Xia M, Chen ZJ. ""Variants of the WNT7A gene in Chinese patients with müllerian duct abnormalities."" Fertil Steril, 2012 Feb. 2. Kondratov AG, Kvasha SM, Stoliar LA, Romanenko AM, Zgonnyk YM, Gordiyuk VV, Kashuba EV, Rynditch AV, Zabarovsky ER, Kashuba VI. ""Alterations of the WNT7A gene in clear cell renal cell carcinomas."" PLoS One, 2012.
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 Na ₂ HPO ₄ .
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.