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Datasheet for ABIN2783983

anti-WNT3 antibody (Middle Region)

2 Images

Overview

Quantity:	100 µL
Target:	WNT3
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Horse, Zebrafish (Danio rerio), Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human WNT3
Sequence:	SHHKGPPGEG WKWGGCSEDA DFGVLVSREF ADARENRPDA RSAMNKHNNE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against WNT3. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	WNT3
Alternative Name:	WNT3 (WNT3 Products)
Background:	The WNT gene family consists of structurally related genes which encode secreted signaling

Target Details

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 a member of the WNT gene family. It encodes a protein which shows 98 % amino acid identity to mouse Wnt3 protein, and 84 % to human WNT3A protein, another WNT gene product. The mouse studies show the requirement of Wnt3 in primary axis formation in the mouse. Studies of the gene expression suggest that this gene may play a key role in some cases of human breast, rectal, lung, and gastric cancer through activation of the WNT-beta-catenin-TCF signaling pathway. This gene is clustered with WNT15, another family member, in the chromosome 17q21 region.

Alias Symbols: INT4, MGC131950, MGC138321, MGC138323

Protein Interaction Partner: FZD1,

Protein Size: 355

Molecular Weight: 37 kDa

Gene ID: 7473

NCBI Accession: [NM_030753](#), [NP_110380](#)

UniProt: [P56703](#)

Pathways: [WNT Signaling](#), [Regulation of Cell Size](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 355 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

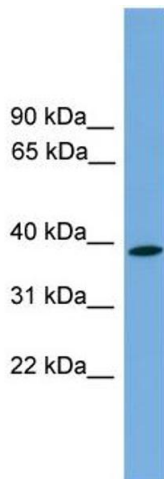
Handling

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

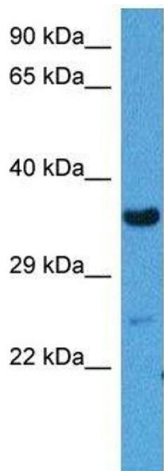
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-WNT3 Antibody Titration: 0.2-1 ug/ml Positive Control: Human brain



Western Blotting

Image 2. Host: Mouse Target Name: WNT3 Sample Tissue: Mouse Skeletal Muscle Antibody Dilution: 1 ug/ml