

Datasheet for ABIN1683291  
**anti-WNT1 antibody (AA 231-370)**

## 7 Images

[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	WNT1
Binding Specificity:	AA 231-370
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 231-370 of human WNT1 (NP_005421.1).
Sequence:	TCWMRLPTLR AVGDVLRDRF DGASRVLYGN RGSNRASRAE LLRLEPEDPA HKPPSPHDLV YFEKSPNFCT YSGRLGTAGT AGRACNSSSP ALDGCELLCC GRGHRTRTQR VTERCNCTFH WCCHVSCRNC THTRVLHECL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Target Details

Target:	WNT1
Alternative Name:	WNT1 ( <a href="#">WNT1 Products</a> )

## Target Details

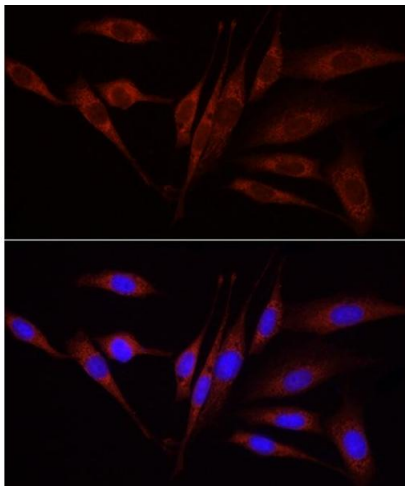
Background:	<p>The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It is very conserved in evolution, and the protein encoded by this gene is known to be 98 % identical to the mouse Wnt1 protein at the amino acid level. The studies in mouse indicate that the Wnt1 protein functions in the induction of the mesencephalon and cerebellum. This gene was originally considered as a candidate gene for Joubert syndrome, an autosomal recessive disorder with cerebellar hypoplasia as a leading feature. However, further studies suggested that the gene mutations might not have a significant role in Joubert syndrome. This gene is clustered with another family member, WNT10B, in the chromosome 12q13 region.,WNT1,BMND16,INT1,OI15,Epigenetics &amp; Nuclear Signaling,Translation Control,Regulation of eIF4 and p70 S6 Kinase,Cancer,Tumor suppressors,Signal Transduction,mTOR Signaling Pathway,Cell Biology &amp; Developmental Biology,Wnt/<math>\beta</math>-Catenin Signaling Pathway,ESC Pluripotency and Differentiation,Stem Cells,WNT1</p>
Molecular Weight:	40 kDa
Gene ID:	7471
UniProt:	<a href="#">P04628</a>
Pathways:	<a href="#">WNT Signaling</a> , <a href="#">Dopaminergic Neurogenesis</a>

## Application Details

Application Notes:	WB,1:1000 - 1:4000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

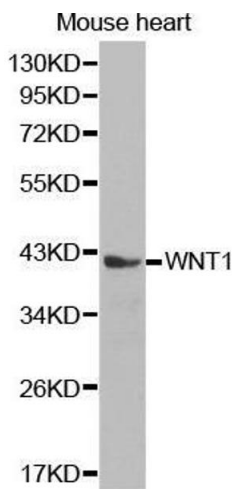
## Handling

Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



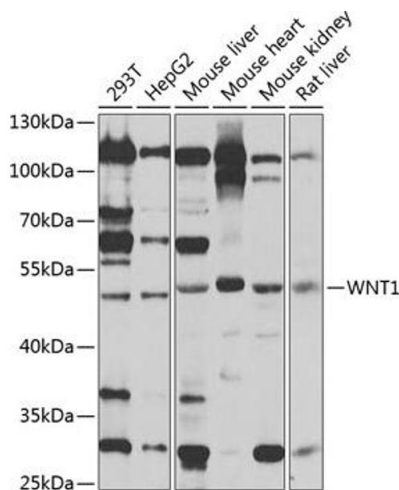
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of NIH/3T3 cells using WNT1 antibody (ABIN1683291, ABIN3016105, ABIN3016107 and ABIN6219551) at dilution of 1:100. Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.**



### Western Blotting

**Image 3.** Western blot analysis of extracts of various cell lines, using WNT1 antibody (ABIN1683291, ABIN3016105, ABIN3016107 and ABIN6219551) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN1683291.