

Datasheet for ABIN7251277

anti-WNT1 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	200 µL
Target:	WNT1
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WNT1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	Synthesized peptide derived from the C-terminal region of human Wnt-1
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	WNT1
Alternative Name:	WNT1 (WNT1 Products)
Background:	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

Target Details

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.

Molecular Weight: Observed_MW: 45 kDa
Calculated_MW: 41 kDa

UniProt: [P04628](#)

Pathways: [WNT Signaling](#), [Dopaminergic Neurogenesis](#)

Application Details

Application Notes: WB 1:500-1:2000, IHC 1:100-1:300, IF 1:200-1:1000, ELISA 1:10000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

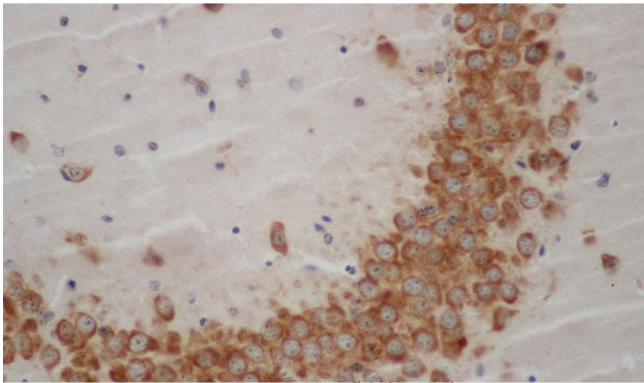
Buffer: PBS with 0.02 % sodium azide, 0.5 % BSA and 50 % glycerol, pH 7.4

Preservative: Sodium azide

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

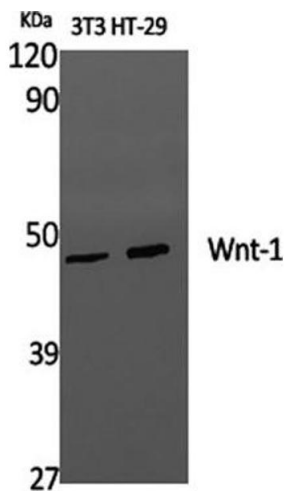
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Mouse brain using WNT1 Polyclonal Antibody at dilution of 1:50



Western Blotting

Image 2. Western Blot analysis of 3T3, HT-29 cells using WNT1 Polyclonal Antibody at dilution of 1:1000.