Product Name: Wnt1 Rabbit Polyclonal Antibody
Catalog #: APRab00547

Summary

Production Name	Wnt1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-F,IHC-P,ICC/IF,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Immunogen

Gene Name	WNT1
Alternative Names	WNT1; INT1; Proto-oncogene Wnt-1; Proto-oncogene Int-1 homolog
Gene ID	7471
SwissProt ID	P04628.

Application

Dilution Ratio	WB: 1:500-1:1000 IHC: 1:50-1:100 IF: 1:50-1:200 ELISA: 1:10000
Molecular Weight	Calculated MW: 41 kDa; Observed MW: 45 kDa

Background

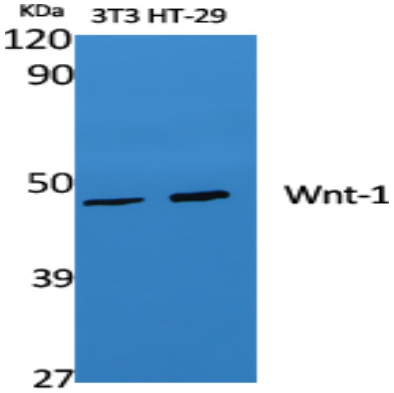
WNT1: wingless-type MMTV integration site family, member 1. The WNT gene family consists of structurally related genes

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 rolein Joubert syndrome. This gene is clustered with another family member, WNT10B, in the chromosome 12q13 region.

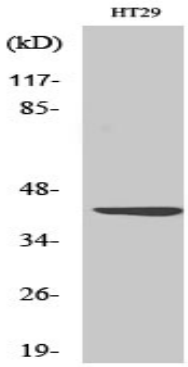
Research Area

Stem Cells

Image Data



Western blot analysis of Wnt1 in various lysates using Wnt1 antibody.



Western blot analysis of Wnt1 in HT-29 lysates using Wnt1 antibody.

Note

For research use only.