

WNT3 mouse monoclonal antibody (hybridoma)

Catalog # H00007473-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant WNT3.
Immunogen	WNT3 (NP_110380.1, 1 a.a. ~ 355 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MEPHLLGLLLGLLLGGTRVLGYPMWWSLALGQQYTSLGSQLLCGSIPGLVPKQLRFCRNYEIMP SVAEGVKLGIQECQHQRGRRWNCCTTIDSLAIFGPVLDKATRESAFVHAIASAGVAFVTRSCA EGTSTICGCDSHHKGPPGEGWKWGGCSEDADFGVLVSREFADARENRPDARSAMNKHNEA GRTTILDHMHKCKCHGLSGSCEVKTCWWAQPDFRAIGDFLKDKYDSASEMVVEKHRESRGWV ETLRAKYSLFKPPTERDLVYENSPNFCEPNPETGSFGTRDRTCNTVSHGIDGCDLLCCGRGHNT RTEKRKEKCHCIFHWCCYVSCQECIRIYDVHTCK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — WNT3

Entrez GeneID [7473](#)

GeneBank Accession# [NM_030753.3](#)

Protein Accession# [NP_110380.1](#)

Gene Name WNT3

Gene Alias INT4, MGC131950, MGC138321, MGC138323

Gene Description wingless-type MMTV integration site family, member 3

Omim ID [165330 273395](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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 encodes a protein which shows 98% amino acid identity to mouse Wnt 3 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. [provided by RefSeq]

Other Designations WNT-3 proto-oncogene protein

Pathway

- [Basal cell carcinoma](#)
- [Hedgehog signaling pathway](#)
- [Melanogenesis](#)
- [Pathways in cancer](#)
- [Wnt signaling pathway](#)

Disease

- [Cerebral Hemorrhage](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Kidney Diseases](#)
- [Neurodegenerative Diseases](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Supranuclear Palsy](#)