ARG63965
anti-Wnt3 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Wnt3
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Dog
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Wnt3
Species	Human
Immunogen	CGRGHNTRTEKRKEK
Conjugation	Un-conjugated
Alternate Names	Proto-oncogene Wnt-3; INT4; Proto-oncogene Int-4 homolog; TETAMS

Application Instructions

Application table

Application	Dilution
IHC-P	2 - 4 µg/ml
WB	1 - 3 µg/ml

Application Note

IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

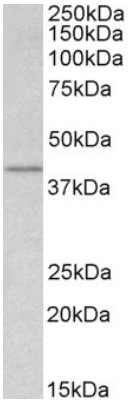
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

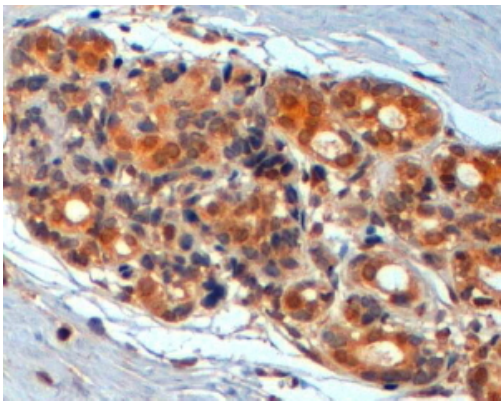
Database links	GeneID: 7473 Human Swiss-port # P56703 Human
Background	The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a 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. [provided by RefSeq, Jul 2008]
Research Area	Developmental Biology antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	40 kDa
PTM	Palmitoleylation is required for efficient binding to frizzled receptors. Depalmitoleylation leads to Wnt signaling pathway inhibition.

Images



ARG63965 anti-Wnt3 antibody WB image

Western blot: HEK293 cell lysate (35 µg protein in RIPA buffer). stained with ARG63965 anti-Wnt3 antibody at 1 µg/ml dilution.



ARG63965 anti-Wnt3 antibody IHC-P image

Immunohistochemistry: Paraffin embedded Human Breast stained with ARG63965 anti-Wnt3 antibody (2µg/ml). Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.