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Datasheet for 200-401-I36

Wnt5A Antibody

Overview

Description:	Anti-Wnt5a (RABBIT) Antibody - 200-401-I36
Item No.:	200-401-I36
Size:	100 µg
Applications:	IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Anti-Wnt5a antibody detects human Wnt5a. Wnt5A is a secreted protein found in the extracellular region that belongs to the Wnt family. It is a proto-oncogene that functions in modulating cell fate and behavior during vertebrate development and has an important role in Wnt signaling pathway. It is a glycoprotein that plays an important role in cell communication and development. Wnt5A acts as a ligand for members of the frizzled family of seven transmembrane receptors. It is suspected that Wnt5A is a developmental protein. Wnt5A is a signaling molecule which affects the development of discrete regions of tissues and is likely to signal over only few cell diameters. Anti-Wnt5a antibody is ideal for investigators involved in cell cycle protein, NFkappaB, and signaling research.
Synonyms:	Wnt-5a
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	WNT5A
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Wnt5A Antibody was produced from whole rabbit serum prepared by repeated immunizations with a synthetic peptide corresponding to an internal amino acid sequence for the human protein Wnt5A.
Purity/Specificity:	Anti-Wnt5a Antibody was purified by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with Anti-Wnt5a from rat based on 100% homology with the immunizing sequence. Cross-reactivity with Anti-Wnt5a from other sources has not been determined.
Relevant Links:	• UniProtKB - P41221 • NCBI - NP_001243034.1 • GeneID - 7474

Application Details

Tested Applications:	IHC, WB
Application Note:	Anti-Wnt5a antibody is tested for use in IHC, IHC-Fr, IHC-P, and WB. Expect a band approximately 41kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IHC:	10 µg/mL
WB:	0.5-2 µg/mL

Formulation

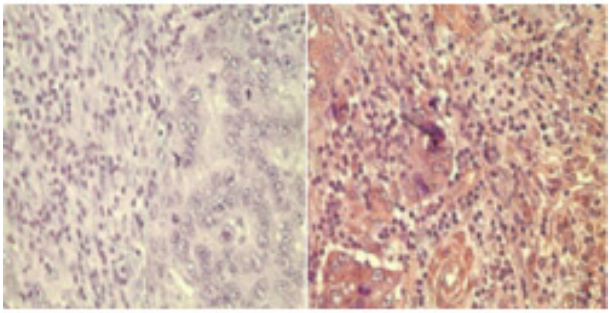
Physical State:	Liquid
Concentration:	0.5 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.05% (w/v) Sodium Azide

Shipping & Handling

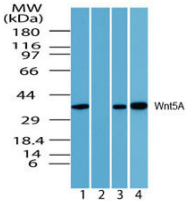
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry
Immunohistochemistry of Rabbit Anti-Wnt5A antibody. Tissue: human breast tumor. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Wnt5A antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: Wnt5A is a secreted in the extracellular space and matrix. Staining: Wnt5A as a precipitated red signal with hematoxylin purple nuclear counterstain.



Western Blot
Western Blot of Rabbit Anti-Wnt5A antibody. Lane 1: heart lysate without immunizing peptide. Lane 2: heart lysate with immunizing peptide. Lane 3: mouse. Lane 4: rat heart. Primary antibody: Wnt5A at 0.5 µg/mL for overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 80 kDa for Wnt5A. Other band(s): none.

Disclaimer

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