Recombinant Wnt5a Monoclonal Antibody

Catalog Number:E-AB-81621

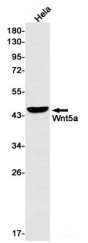
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Human
Immunogen	A synthetic peptide of human Wnt5a
Host	Rabbit
Isotype	IgG
Clone	R08-4A3
Purification	Affinity Purified
Conjugation	Unconjugated
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein

Applications	Recommended Dilution
WB	1:500-1:1000
IF	1:50-1:100

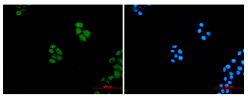
Data



Western blot detection of Wnt5a in Hela cell lysates using Wnt5a Rabbit mAb(1:500 diluted).Predicted band size:42kDa.Observed band size:45kDa.

Observed Mw:45kDa

Calculated Mw:42kDa



Immunofluorescence of Wnt5a (green) in hela using Wnt5a Rabbit mAb at dilution 1:50, and DAPI(blue)

Preparation & Storage

Storage	Store at -20℃. Avoid freeze / thaw cycles.

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 encodes a member of the WNT family that signals through both the canonical and non-canonical WNT pathways. This protein is a ligand for the seven transmembrane receptor frizzled-5 and the tyrosine kinase orphan receptor 2. This protein plays an essential role in regulating developmental pathways during embryogenesis. This protein may also play a role in oncogenesis. Mutations in this gene are the cause of autosomal dominant Robinow syndrome. Alternate splicing results in multiple transcript variants.WNT5A (Wnt Family Member 5A) is a Protein Coding gene. Diseases associated with WNT5A include Robinow Syndrome, Autosomal Dominant 1 and Autosomal Dominant Robinow Syndrome. Among its related pathways are Validated targets of C-MYC transcriptional repression and Wnt Signaling Pathways: beta-Catenin-independent Wnt/Ca2+ Signaling and Other Non-canonical Wnt Signaling Pathways.

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GO annotations related to this gene include transcription factor activity, sequence-specific DNA binding and protein domain specific binding. An important paralog of this gene is WNT5B.

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