Recombinant Wnt5a Monoclonal Antibody

catalog number: E-AB-81621

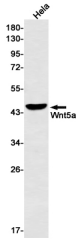
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

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

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

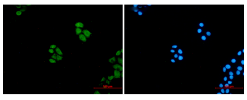
Data



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:45 kDa

Calculated-MW:42 kDa



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

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

Toll-free: 1-888-852-8623
Web:www.elabscience.com
Tel: 1-832-243-6086
Email:techsupport@elabscience.com
Fax: 1-832-243-6017

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. 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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