Product Datasheet

Wnt5a Rabbit mAb

Catalog No: #52655

Package Size: #52655-1 50ul #52655-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

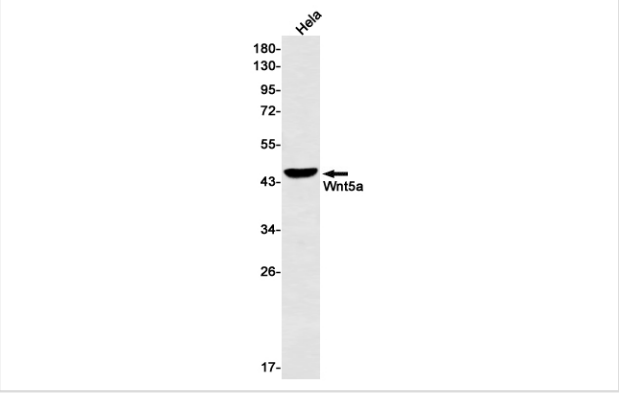
Description

Product Name	Wnt5a Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S08-4A3
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IF
Species Reactivity	Human
Immunogen Description	A synthetic peptide of human Wnt5a
Conjugates	Unconjugated
Modification	Unmodification
Other Names	hWNT5A
Accession No.	Swiss-Prot:P41221GeneID:7474
Uniprot	P41221
GeneID	7474
Calculated MW	Calculated MW: 42 kDa; Observed MW: 45 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

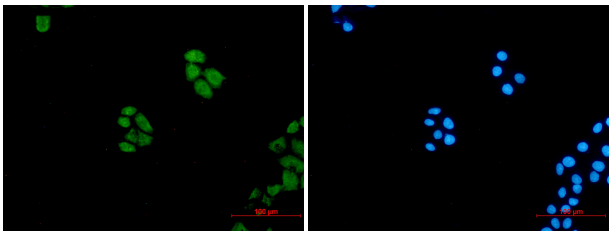
Application Details

WB: 1/1000; ICC/IF: 1/20-1/50;

Images



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



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

Background

Swiss-Prot Acc.P41221.Ligand for members of the frizzled family of seven transmembrane receptors. Can activate or inhibit canonical Wnt signaling, depending on receptor context. In the presence of FZD4, activates beta-catenin signaling. In the presence of ROR2, inhibits the canonical Wnt pathway by promoting beta-catenin degradation through a GSK3-independent pathway which involves down-regulation of beta-catenin-induced reporter gene expression . Suppression of the canonical pathway allows chondrogenesis to occur and inhibits tumor formation. Stimulates cell migration. Decreases proliferation, migration, invasiveness and clonogenicity of carcinoma cells and may act as a tumor suppressor (PubMed:15735754). Mediates motility of melanoma cells (PubMed:17426020). Required during embryogenesis for extension of the primary anterior-posterior axis and for outgrowth of limbs and the genital tubercle. Inhibits type II collagen expression in chondrocytes .

Note: This product is for in vitro research use only