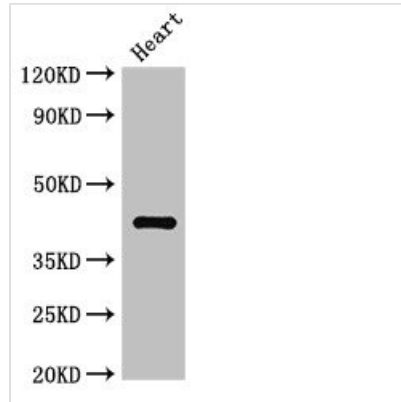




# WNT5A Antibody

<b>Product Code</b>	CSB-PA026138LA01HU
<b>Abbreviation</b>	Protein Wnt-5a
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P41221
<b>Immunogen</b>	Recombinant Human Protein Wnt-5a protein (62-380AA)
<b>Raised In</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse
<b>Tested Applications</b>	ELISA, WB, IHC, IF; Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200
<b>Relevance</b>	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. Mediates motility of melanoma cells. 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.
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
<b>Purification Method</b>	>95%, Protein G purified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Alias</b>	Protein Wnt-5a, WNT5A
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Neuroscience
<b>Target Names</b>	WNT5A
<b>Image</b>	


**Western Blot**

Positive WB detected in: Mouse heart tissue

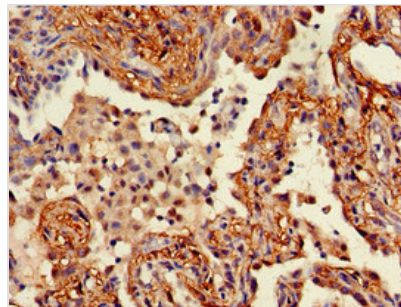
All lanes: WNT5A antibody at 3 $\mu$ g/ml

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 43, 41 kDa

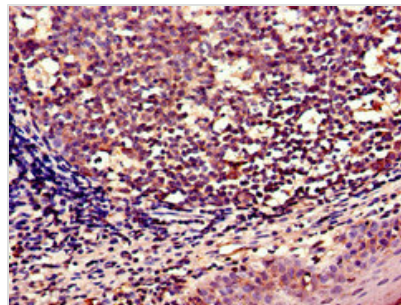
Observed band size: 43 kDa



Immunohistochemistry of paraffin-embedded

human lung cancer using CSB-

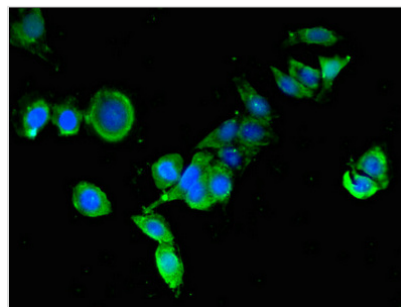
PA026138LA01HU at dilution of 1:100



Immunohistochemistry of paraffin-embedded

human tonsil tissue using CSB-

PA026138LA01HU at dilution of 1:100



Immunofluorescent analysis of PC-3 cells using

CSB-PA026138LA01HU at dilution of 1:100 and

Alexa Fluor 488-conjugated AffiniPure Goat

Anti-Rabbit IgG(H+L)

**Description**

WNT5A polyclonal antibody CSB-PA026138LA01HU was produced in the rabbits immunized by using the Recombinant Human Protein Wnt-5a protein (62-380AA) as the immunogen. The target protein WNT5A is ligand for members of the frizzled family of seven transmembrane receptors. It can activate or inhibit canonical Wnt signaling, depending on receptor context. In the presence of FZD4, it activates beta-catenin signaling. In the presence of ROR2, it inhibits the canonical Wnt pathway by promoting beta-catenin degradation through a GSK3-independent pathway.

This Rabbit anti-Homo sapiens (Human) WNT5A Polyclonal antibody was tested in the ELISA, WB, IHC and IF applications. The non-conjugated IgG got purified



by protein G and reached up to 95% in purity. It reacts with the WNT5A proteins of human or mouse-origin and may be used to detect the endogenous levels of WNT5A protein.