

Wnt5a antibody

Catalog No: #AB38376



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Description

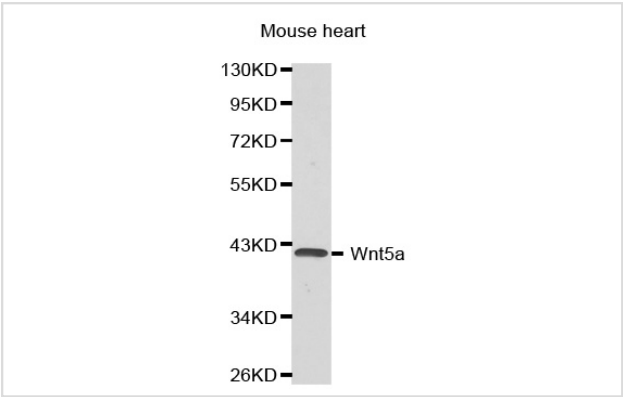
Product Name	Wnt5a antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total Wnt5a antibody.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human Wnt5a.
Target Name	Wnt5a
Other Names	hWNT5A;
Accession No.	Swiss-Prot#: P41221NCBI Gene ID: 7474
SDS-PAGE MW	42kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

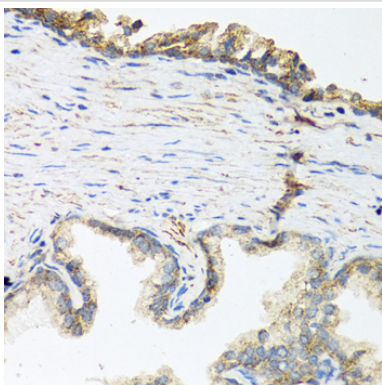
Western blotting: □1:500 - 1:2000

Immunohistochemistry: 1:50 - 1:100

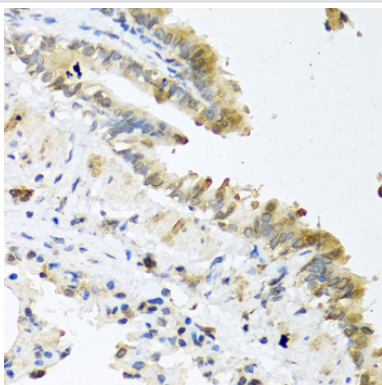
Images



Western blot analysis of extracts of mouse heart cell lines, using Wnt5a antibody.



Immunohistochemistry of paraffin-embedded human prostate using Wnt5a antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse lung using Wnt5a antibody at dilution of 1:100 (40x lens).

Background

The Wnt family includes several secreted glycoproteins that play important roles in animal development (1). There are 19 Wnt genes in the human genome that encode functionally distinct Wnt proteins (2). Wnt members bind to the Frizzled family of seven-pass transmembrane proteins and activate several signaling pathways (3). The canonical Wnt/ β -catenin pathway also requires a coreceptor from the low-density lipoprotein receptor family (4). Aberrant activation of Wnt signaling pathways is involved in several types of cancers (5). Wnt-5a has been shown to signal through the canonical Wnt pathways as well as through non-canonical pathways and is up-regulated in various types of human cancers (6-8). In melanoma, Wnt5a is thought to directly affect cell motility and metastasis (9).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.