

## Product datasheet for **AM06324SU-N**

### WNT5A Mouse Monoclonal Antibody [Clone ID: 6F2]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	6F2
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blot:</b> 1/500 - 1/2000. <b>Immunofluorescence:</b> 1/200 - 1/1000. <b>Immunohistochemistry on Paraffin Sections:</b> 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of WNT5A expressed in E. Coli.
Specificity:	Recognizes Wingless-type MMTV integration site family, member 5A (WNT5A).
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	42.3 kDa
Gene Name:	Wnt family member 5A
Database Link:	<a href="#">Entrez Gene 7474 Human P41221</a>



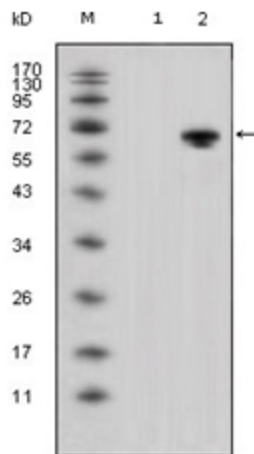
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**Background:**

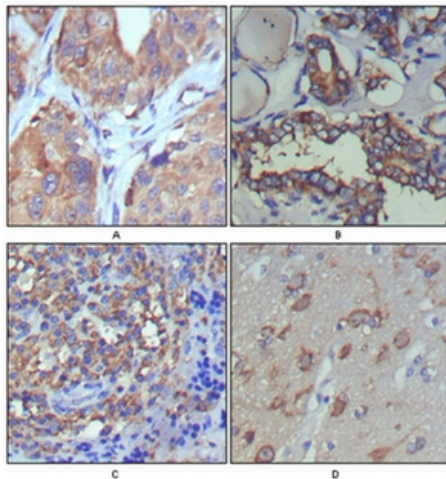
The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It encodes a protein which shows 98%, 98% and 87% amino acid identity to the mouse, rat and the xenopus Wnt5A protein, respectively. The experiments performed in *Xenopus laevis* embryos identified that human frizzled-5 (hFz5) is the receptor for the Wnt5A ligand and the Wnt5A/hFz5 signaling mediates axis induction.

**Synonyms:**

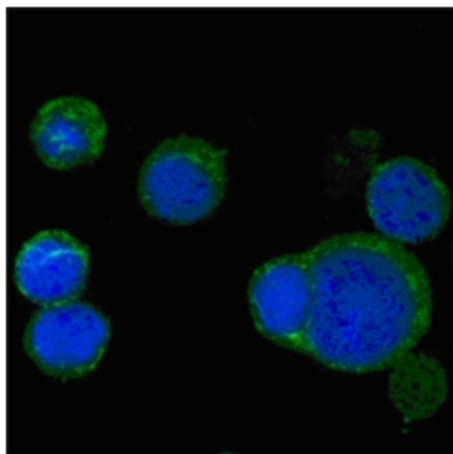
Protein Wnt-5a

**Product images:**


Western blot analysis using WNT5A antibody Cat.-No AM06324SU-N against HEK293 (Lane 1) and WNT5A-hlgGfc transfected HEK293 cell lysate (Lane 2).



Immunohistochemical analysis of paraffin-embedded human lung cancer (A), thyroid cancer (B), lymph node (C) and brain (D) showing cytoplasmic and extracellular matrix localization using WNT5A antibody Cat.-No AM06324SU-N with DAB staining.



Confocal Immunofluorescence analysis of PC-12 cells using WNT5A antibody Cat.-No AM06324SU-N (green), showing cytoplasmic localization. Blue: DRAQ5 fluorescent DNA dye.