

WNT5A Antibody (clone 6F2)
Mouse Monoclonal Antibody
Catalog # ALS13010**Specification**

WNT5A Antibody (clone 6F2) - Product Information

Application	IF, IHC
Primary Accession	P41221
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	42kDa KDa

WNT5A Antibody (clone 6F2) - Additional Information**Gene ID** 7474**Other Names**

Protein Wnt-5a, WNT5A

Target/Specificity

Human WNT5A

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

WNT5A Antibody (clone 6F2) is for research use only and not for use in diagnostic or therapeutic procedures.

WNT5A Antibody (clone 6F2) - Protein Information**Name** WNT5A**Function**

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 (By similarity). 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 (By similarity).

Cellular Location

Secreted, extracellular space, extracellular matrix. Secreted

Tissue Location

Expression is increased in differentiated thyroid carcinomas compared to normal thyroid tissue and anaplastic thyroid tumors where expression is low or undetectable. Expression is found in thyrocytes but not in stromal cells (at protein level) (PubMed:15735754). Detected in neonate heart and lung (PubMed:8288227)

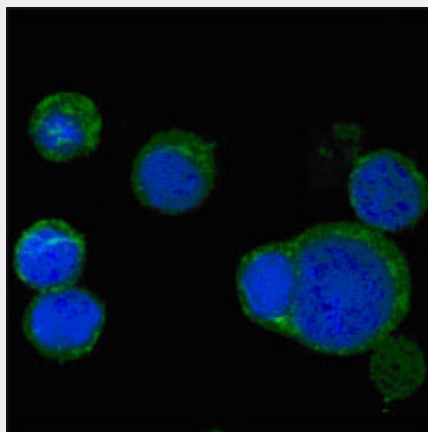
Volume

50 µl

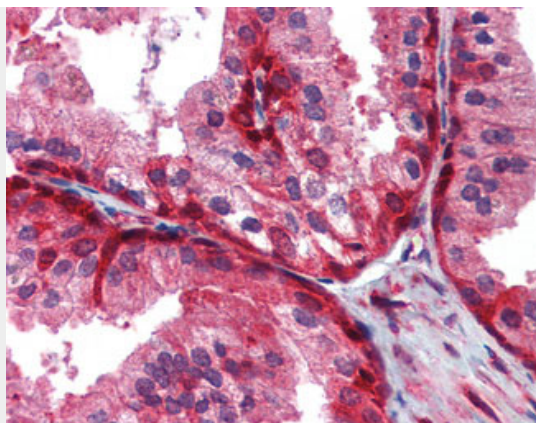
WNT5A Antibody (clone 6F2) - Protocols

Provided below are standard protocols that you may find useful for product applications.

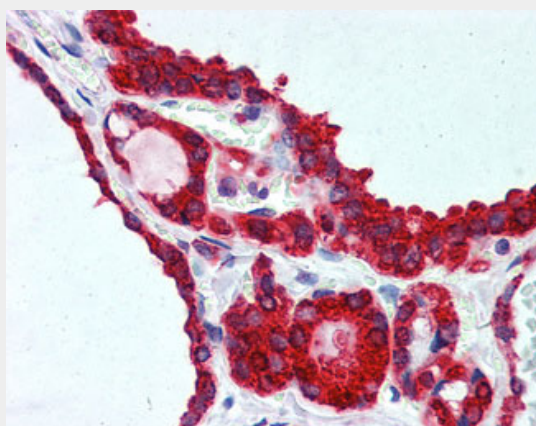
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

WNT5A Antibody (clone 6F2) - Images

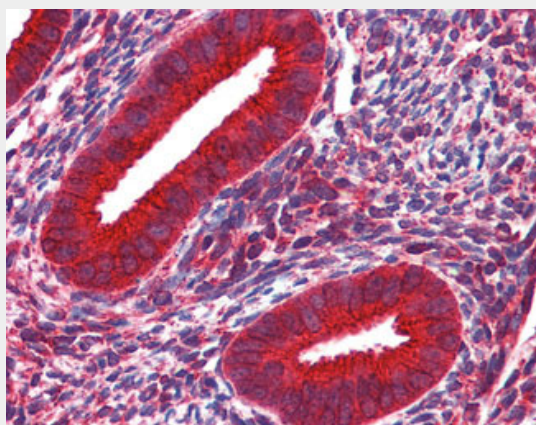
Confocal immunofluorescence of PC-12 cells using WNT5A mouse monoclonal antibody (green),...



Anti-WNT5A antibody IHC of human prostate.



Anti-WNT5A antibody IHC of human thyroid.



Anti-WNT5A antibody IHC of human uterus.

WNT5A Antibody (clone 6F2) - Background

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WNT5A Antibody (clone 6F2) - References

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Ota T., et al. Nat. Genet. 36:40-45(2004).

Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Kremenevskaja N., et al. Oncogene 24:2144-2154(2005).

Dissanayake S.K., et al. J. Biol. Chem. 282:17259-17271(2007).