

Anti-Wnt5a Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Pig,Cow,Rabbit)
Molecular Weight:	Theoretical: 35 kDa. Actual: 42 kDa.
Purification:	Protein A purified

Applications

1. Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-WNT5A Polyclonal Antibody, Unconjugated (TMAB-01986) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
2. Sample: Ovary (Mouse) Lysate at 30 µg
Primary: Anti-WNT5A (TMAB-01986) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution
Predicted band size: 35 kDa
Observed band size: 47 kDa
3. Sample: Uters (Mouse) Lysate at 30 µg
Primary: Anti-WNT5A (TMAB-01986) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution
Predicted band size: 35 kDa
Observed band size: 47 kDa
4. Paraformaldehyde-fixed, paraffin embedded (rat ovary); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (WNT5A) Polyclonal Antibody, Unconjugated (TMAB-01986) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
5. Blank control: HepG2. Primary Antibody (green line): Rabbit Anti-WNT5A antibody (TMAB-01986)
Dilution: 1 µg/10⁶ cells;
Isotype Control Antibody (orange line): Rabbit IgG.
Secondary Antibody: Goat anti-rabbit IgG-AF647
Dilution: 1 µg/test.
Protocol
The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.
6. Sample:
Lane 1: Embryo (Mouse) Lysate at 40 µg
Lane 2: Cerebrum (Mouse) Lysate at 40 µg
Lane 3: Uterus (Mouse) Lysate at 40 µg
Lane 4: Uterus (Rat) Lysate at 40 µg

Verified Activity:

Lane 5: Ovary (Rat) Lysate at 40 μ g

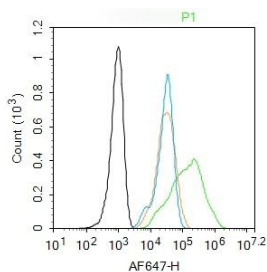
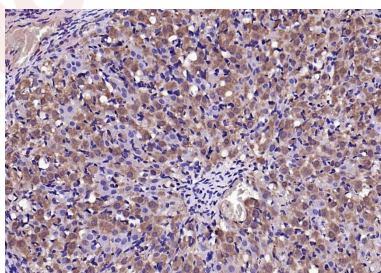
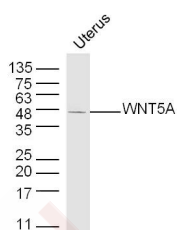
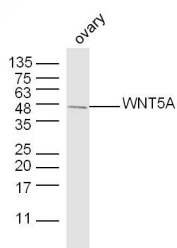
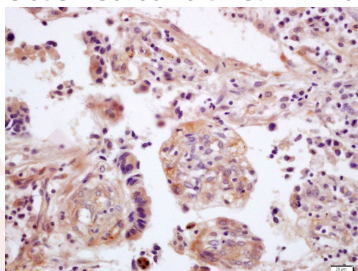
Lane 6: Vas deferens (Rat) Lysate at 40 μ g

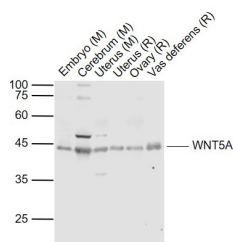
Primary: Anti-WNT5A (TMAB-01986) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 42 kDa

Observed band size: 42 kDa





Application: FCM,IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1ug/Test

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human WNT5A

Antigen Species: Human

Gene ID: 7474

Uniprot ID: P41221

Synonyms: Protein Wnt-5a;WNT5A

Biology Area: PTC & Wnt pathway,Neural Signal Transduction,Secreted

Research 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 encodes a member of the WNT family that signals through both the canonical and non-canonical WNT pathways. This protein is a ligand for the seven transmembrane receptor frizzled-5 and the tyrosine kinase orphan receptor 2. This protein plays an essential role in regulating developmental pathways during embryogenesis. This protein may also play a role in oncogenesis. Mutations in this gene are the cause of autosomal dominant Robinow syndrome. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2012].

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