

Product datasheet for **TA349129**

WNT5B Rabbit Polyclonal Antibody

Product data:

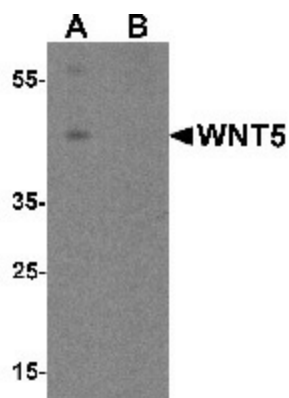
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	WNT5 antibody was raised against a 15 amino acid peptide near the center of human WNT5B.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	WNT5 antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 39 kDa; Observed: 465 kDa
Gene Name:	Wnt family member 5B
Database Link:	NP_110402 Entrez Gene 81029 Human Q9H1J7
Background:	WNT5A and WNT5B are near-identical members of the WNT gene family, which consists of structurally related genes which encode secreted signaling proteins that have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis (1,2). WNT5A and WNT5B coordinate chondrocyte proliferation and differentiation by differentially regulating cyclin D1 and p130 expression, as well as chondrocyte-specific Col2a1 expression (3). Up-regulation of WNT5A and WNT5B has been observed in several types of human cancers, suggesting that they may be useful as diagnostic markers or potent therapeutic targets (4).



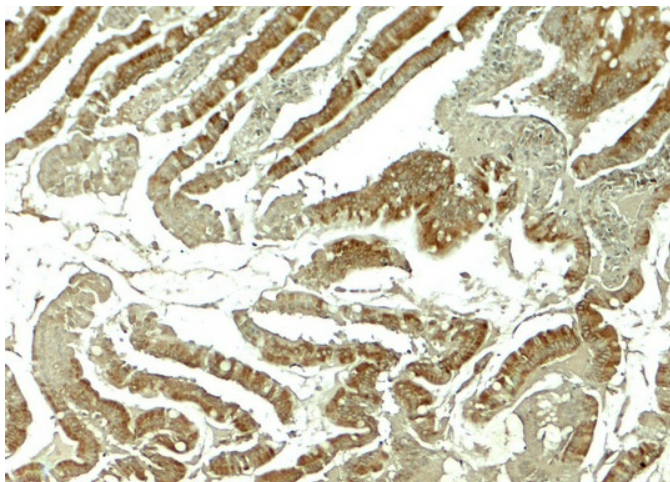
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Synonyms: REC14; SKI8

Product images:



Western blot analysis of WNT5 in Jurkat cell lysate with WNT5 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of WNT5 in rat colon tissue with WNT5 antibody at 5 ug/mL.