

## Anti-Wnt5a Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PB9063-Fluoro488

### About WNT5A

Protein Wnt-5a is a protein that in humans is encoded by the WNT5A gene. This gene is a member of the WNT gene family. The WNTs comprise a large class of secreted proteins that control essential developmental processes such as embryonic patterning, cell growth, migration, and differentiation. It is mapped to 3p14.3. WNT5A is highly expressed in the dermal papilla of depilated skin. This protein plays an essential role in regulating developmental pathways during embryogenesis. And this protein may also play a role in oncogenesis. WNT5A and DVL can promote axon differentiation mediated by the PAR3-PAR6-aPKC complex.

### Overview

Product Name	Anti-Wnt5a Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (IHC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P41221

### Technical Details

Immunogen	E.coli-derived human Wnt5a recombinant protein (Position: D184-D303). Human Wnt5a shares 100% amino acid (aa) sequence identity with both mouse and rat Wnt5a.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

## 2 Publications Citing This Product

1. PubMed ID: 10.1007/s11255-016-1291-2, Aberrant activation of Wnt pathways in arteries associates with vascular calcification in chronic kidney disease

2. PubMed ID: , Osteogenesis potential of different titania nanotubes in oxidative stress microenvironment

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