

Wnt5a Conjugated Antibody

Catalog No: #C49719



Package Size: #C49719-AF350 100ul #C49719-AF405 100ul #C49719-AF488 100ul
 #C49719-AF555 100ul #C49719-AF594 100ul #C49719-AF647 100ul
 #C49719-AF680 100ul #C49719-AF750 100ul #C49719-Biotin 100ul

Orders: order@signalwayantibody.com
 Support: tech@signalwayantibody.com

Description

Product Name	Wnt5a Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	hWNT 5A antibody hWNT5A antibody Protein Wnt 5a antibody Protein Wnt-5a antibody Protein Wnt5a antibody Wingless type MMTV integration site family member 5A antibody Wnt 5a antibody WNT 5A protein antibody WNT 5A protein precursor antibody WNT5A antibody WNT5A protein precursor antibody WNT5A_HUMAN antibody
Accession No.	Swiss-Prot#:P41221
Uniprot	P41221
GeneID	7474;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	42 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

The Wnt genes belong to a family of protooncogenes with at least 13 known members that are expressed in species ranging from *Drosophila* to man. The name Wnt denotes the relationship of this family to the *Drosophila* segment polarity gene "wingless" and to its vertebrate ortholog, *Int1*, a mouse protooncogene. Transcription of Wnt family genes appears to be developmentally regulated in a precise temporal and spatial manner. The Wnt genes encode cysteine-rich putative glycoproteins, which have features typical of secreted growth factors. Northern blot analysis detects expression of Wnt-5a in brain, lung, and heart. At least five distinct Wnt-5a transcripts are observed, which are due to transcript variability 5-prime to the initiation methionine. In situ hybridization detects a complex spatial and temporal pattern of Wnt-5a in the mouse, including expression in the developing central nervous system, limbs, facial processes, and the posterior region of the fetus. Human frizzled-5 is the receptor for the Wnt-5a ligand. It is suggested that Wnt-5a augments primitive hematopoietic development in vivo and represents an in vivo regulator of hematopoietic stem cell function in the human.

Note: This product is for in vitro research use only