

Growth Factors

Cytokines • Soluble Receptors

Monoclonal Antibodies

Polyclonal Antibodies

ELISA

Customer Services

- Production of recombinant proteins in E.coli and insect cells
- Purification of recombinant proteins and antibodies
- Reagent services: special formulation
- Bulk service
- Functional assays for growth factors and cytokines



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ReliaTech reliably yours

We are ISO 9001:2015 certified.

Your Partner in Life Science Research of
Angiogenesis and Lymphangiogenesis

20 years of experience

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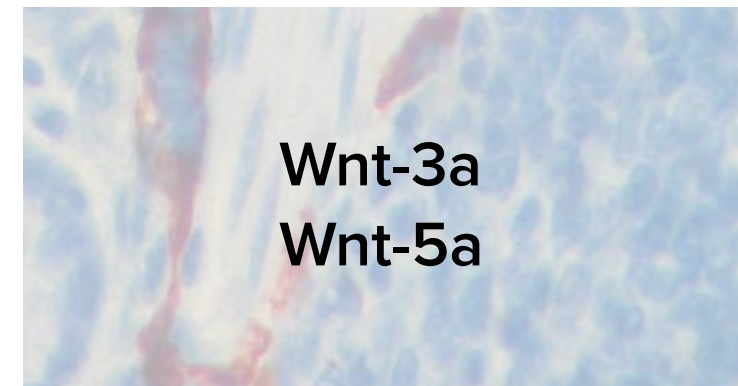
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Wnt-3a
Wnt-5a



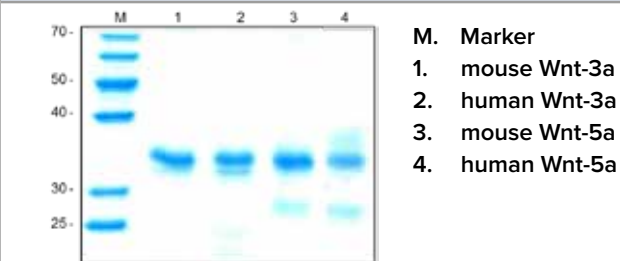
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Wnt-3a

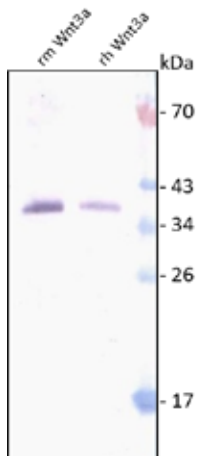
The Wingless-type MMTV integration site (Wnt) family constitute a large group of secreted lipid-modified signaling glycoproteins. They are highly conserved across species and until now 19 different Wnt ligands have been characterized in humans and mice. They are involved in various developmental processes, e.g. embryonic patterning, cell growth, migration and differentiation. Mutations of Wnts are associated with human diseases, including cancer.

recombinant Wnt-3a and Wnt-5a



SDS-PAGE analysis of recombinant Wnt-3a and Wnt-5a.
Samples were loaded in 12,5% SDS-polyacrylamide gel under reducing conditions and stained with Coomassie Brilliant Blue.

Rabbit anti-mouse Wnt-3a [103-PA15]



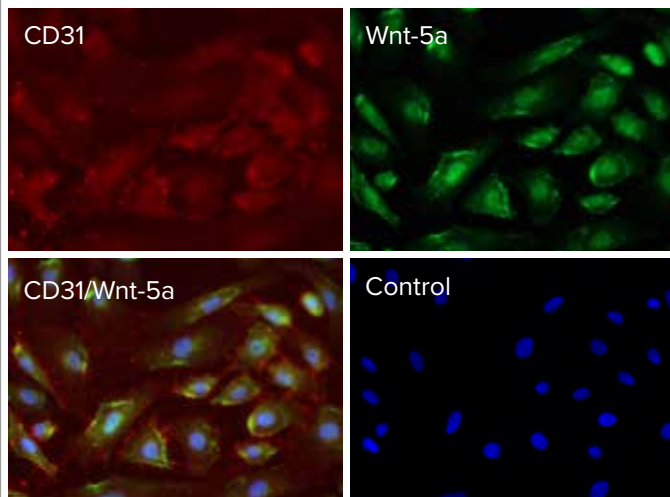
Western Blot analysis of recombinant mouse and human Wnt-3a [Cat# M30-231; 400-022] using a rabbit anti-mouse Wnt-3a antibody [Cat# 103-PA15] directed against the recombinant mouse Wnt-3a protein.

As expected there is a strong cross reactivity with human Wnt-3a. As secondary antibody a AP-conjugated goat anti-rabbit antibody was used.

Note: The anti-human Wnt-3a antibody [Cat# 102-PA140] shows a strong cross reactivity with mouse Wnt-3a, too (data not shown).

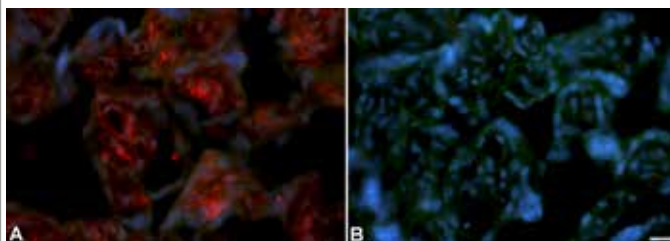
Wnt-5a

Rabbit anti-human Wnt-5a [Cat# 102-PA141]



Double Immunofluorescent staining of human Wnt-5a (green) and CD31 (red) in a co-culture of HUVEC, HDLEC and A431 cells with a polyclonal rabbit anti-human Wnt-5a antibody [Cat# 102-PA141; Protein-A purified] and a monoclonal mouse anti-human CD31 antibody [Cat# 101-M92]. Nuclei are counterstained with DAPI (blue).

Rabbit anti-human Wnt-5a [Cat# 102-PA141]



Immunofluorescent staining of cryo-sections of human placenta tissue (fixed 30 min in 4% PFA).

(A) with anti-human Wnt-5a (red) (5µg/ml) [Cat# 102-PA141] and (B) Control without primary antibody. [40x objective]

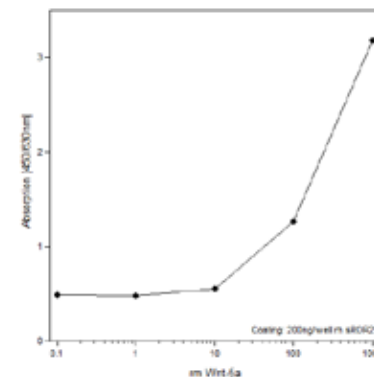
Signal is found in stroma cells of the placenta.

The experiment was performed by the research group of Prof. Dr. J. Wilting, University Göttingen, Germany.

recombinant Wnt-Proteins and anti-Wnt Antibodies from ReliaTech (selected products)

Product	Species	Expression System	Cat#
Wnt-3a	human	E.coli	400-022
Wnt-3a	anti-human	Rabbit	102-PA140(S)
Wnt-3a	mouse	E.coli	M30-231(S)
Wnt-3a	anti-mouse	Rabbit	103-PA15(S)
Wnt-5a	human	E.coli	400-023
Wnt-5a	anti-human	Rabbit	102-PA141(S)
Wnt-5a	mouse	E.coli	M30-023(S)
Wnt-5a	anti-mouse	Rabbit	103-PA16(S)

recombinant mouse Wnt-5a [M30-023]



Binding of recombinant mouse Wnt-5a to recombinant human sROR2 in a functional ELISA.

sROR2 [Cat# S01-074] was coated with 2µg/ml (100µl/well) and increasing amounts of mouse Wnt-5a [Cat# M30-023] was added. Detection was performed using a polyclonal rabbit anti-mouse Wnt-5a [Cat# 103-PA16] and a goat anti-rabbit Biotin conjugated secondary antibody.

Note: Similar results were obtained for binding of **human Wnt-5a** [Cat# 400-023] to immobilized human sROR2 (data not shown).

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