abcam

Product datasheet

Anti-VEGFC antibody ab9546

32 References 画像数 5

製品の概要

製品名 Anti-VEGFC antibody

製品の詳細 Rabbit polyclonal to VEGFC

由来種 Rabbit

アプリケーション 適用あり: IHC-P, IHC-FoFr, WB, ELISA

適用なし: №

種交差性 交差種: Mouse, Rat, Sheep, Human

免疫原 Recombinant fragment corresponding to Rat VEGFC aa 101-221. Produced from sera of rabbits

pre-immunized with highly pure recombinant rat VEGF-C (Asp101-lle221) derived from insect

cells.

Sequence:

DTVKLAAAHYNTEILKSIDNEWRKTQCMPREVCIDVGKEFGA

ATNTFFKP

PCVSVYRCGGCCNSEGLQCMNTSTGYLSKTLFEITVPLSQGP

KPVTISFA NHTSCRCMSKLDVYRQVHSIIHHHHHH

Database link: P49767

Run BLAST with
Run BLAST with

特記事項The Life Science industry has been in the grips of a reproducibility crisis for a number of years.

Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets

your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be

found below, along with publications, customer reviews and Q&As

製品の特性

製品の状態 Liquid

保存方法 Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long

term. Avoid freeze / thaw cycle.

パッファー Constituent: PBS

精製度 Protein A purified

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ポリモノ

ポリクローナル

アイソタイプ

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アプリケーション

The Abpromise guarantee <u>Abpromise保証は、</u>次のテスト済みアプリケーションにおけるab9546の使用に適用されます アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		Use at an assay dependent concentration. PubMed: 21359148
IHC-FoFr		Use at an assay dependent concentration. PubMed: 22206010
WB		Use a concentration of 2 - 5 μg/ml.
ELISA		Use a concentration of 1 - 5 µg/ml. Allows the detection of 0.5-1.0 ng/well of recombinant rat VEGF-C.

追加情報

Is unsuitable for IP.

ターゲット情報

機能	Growth factor active in angiogenesis, and endothelial cell growth, stimulating their proliferation

and migration and also has effects on the permeability of blood vessels. May function in angiogenesis of the venous and lymphatic vascular systems during embryogenesis, and also in the maintenance of differentiated lymphatic endothelium in adults. Binds and activates VEGFR-2

(KDR/FLK1) and VEGFR-3 (FLT4) receptors.

組織特異性 Spleen, lymph node, thymus, appendix, bone marrow, heart, placenta, ovary, skeletal muscle,

prostate, testis, colon and small intestine and fetal liver, lung and kidney, but not in peripheral

blood lymphocyte.

配列類似性 Belongs to the PDGF/VEGF growth factor family.

翻訳後修飾 Undergoes a complex proteolytic maturation which generates a variety of processed secreted

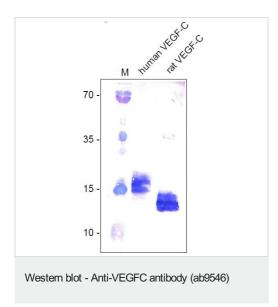
forms with increased activity toward VEGFR-3, but only the fully processed form could activate VEGFR-2. VEGF-C first form an antiparallel homodimer linked by disulfide bonds. Before secretion, a cleavage occurs between Arg-227 and Ser-228 producing an heterotetramer. The next extracellular step of the processing removes the N-terminal propeptide. Finally the mature

VEGF-C is composed mostly of two VEGF homology domains (VHDs) bound by non-covalent

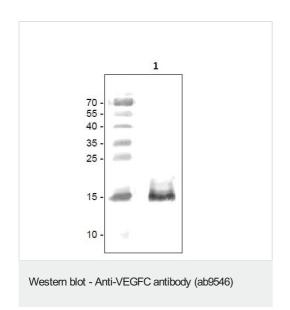
interactions.

細胞内局在 Secreted.

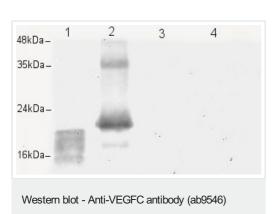
画像



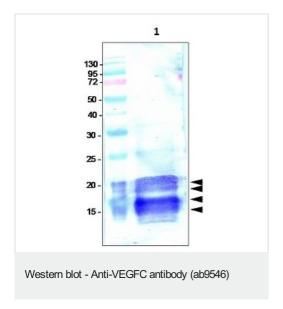
Western analysis of recombinant human and rat VEGF-C using a polyclonal rabbit anti-rat VEGF-C antibody.



Western blot with recombinant rat VEGF C fused to His-tag using the polyclonal anti VEGF C antibody ab9546. Bands are between 15kDa and 20kDa represents glycosylation forms.

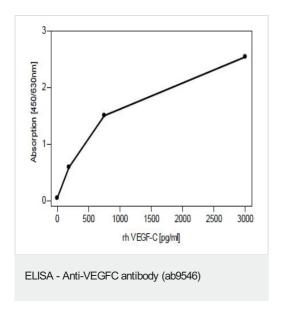


Western blot with human and rat VEGF C and VEGF D using the polyclonal anti VEGF C antibody ab9546. Proteins were separated by 15% SDS-PAGE and blotted on to PVDF membranes as described. After transfer, the membrane was incubated for 1 h with ab9546 at 1 µg/ml in TBS containing 20% non-fat milk followed by incubation with a goat-anti-rabbit alkaline phosphatase-conjugated secondary antibody. Lane 1/250ng rat VEGF C; lane 2/250 ng human VEGF C; lane 3/250 ng rat VEGF D; lane4/250 ng human VEGF-D.



Anti-VEGFC antibody (ab9546) + Rat Recombinant VEGF-C insect cells

Western Blot was run on a 15% SDS-PAGE gel. Bands between 15kDa and 20kDa represent the different glycoslation forms.



VEGF-C sandwich-ELISA using ab9546 as capture antibody and recombinant rat VEGF-C as standard. Biotinylated rabbit anti-rat VEGF-C was used for detection.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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