

Datasheet for ABIN707561
anti-Endoglin antibody (AA 58-110)

6 Images

8 Publications

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Overview

Quantity:	100 µL
Target:	Endoglin (ENG)
Binding Specificity:	AA 58-110
Reactivity:	Human, Mouse, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Endoglin antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CD105
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	Endoglin (ENG)
Alternative Name:	CD105 (ENG Products)

Target Details

Background:	Synonyms: END, HHT1, ORW1, Endoglin, CD15, ENG Background: Major glycoprotein of vascular endothelium. Involved in the regulation of angiogenesis. May play a critical role in the binding of endothelial cells to integrins and/or other RGD receptors. Acts as TGF-beta coreceptor and is involved in the TGF-beta/BMP signaling cascade. Required for GDF2/BMP9 signaling through SMAD1 in endothelial cells and modulates TGF-beta1 signaling through SMAD3.
Gene ID:	2022
UniProt:	P17813

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

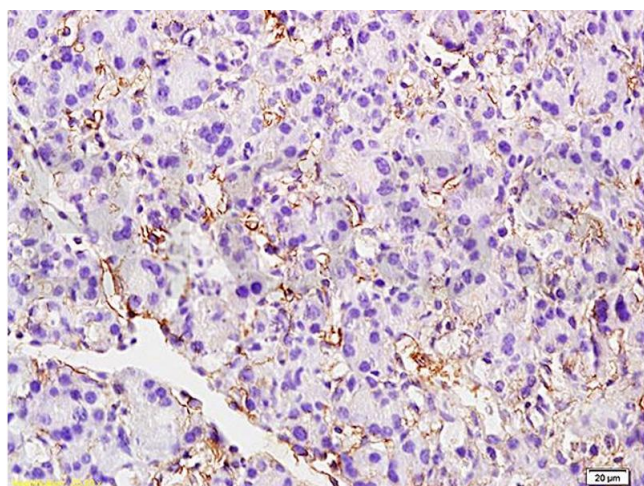
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

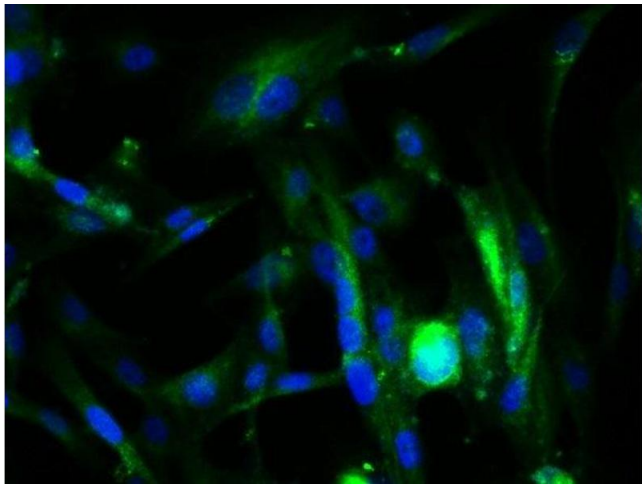
- Product cited in: Bidkhor, Ahmadiankia, Matin, Heirani-Tabasi, Farshchian, Naderi-Meshkin, Shahriyari, Dastpak, Bahrami: "Chemically primed bone-marrow derived mesenchymal stem cells show enhanced expression of chemokine receptors contributed to their migration capability." in: **Iranian journal of basic medical sciences**, Vol. 19, Issue 1, pp. 14-9, (2016) ([PubMed](#)).
- Wang, Emond, Flynn, Swaminathan, Kibbe: "Microparticle levels after arterial injury and NO therapy in diabetes." in: **The Journal of surgical research**, Vol. 200, Issue 2, pp. 722-31, (2015) ([PubMed](#)).
- Gao, Zhang, Zhang, Zou, Liu: "Identification of rat respiratory mucosa stem cells and comparison of the early neural differentiation potential with the bone marrow mesenchymal stem cells in vitro." in: **Cellular and molecular neurobiology**, Vol. 34, Issue 2, pp. 257-68, (2014) ([PubMed](#)).
- Gierloff, Nitsche, Adam-Klages, Liebs, Hedderich, Gassling, Wiltfang, Kabelitz, Açil: "In vitro comparison of different carrier materials with rat bone marrow MSCs." in: **Clinical oral investigations**, Vol. 18, Issue 1, pp. 247-59, (2014) ([PubMed](#)).
- Zhao, Yin, Guo, Wang, Wang, Chen: "Placental expression of VEGF is increased in pregnancies with hydatidiform mole: possible association with developing very early onset preeclampsia." in: **Early human development**, Vol. 89, Issue 8, pp. 583-8, (2013) ([PubMed](#)).
- There are more publications referencing this product on: [Product page](#)

Images



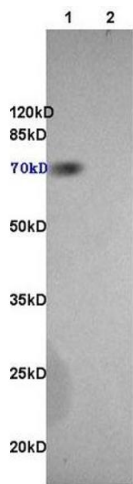
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat pancreas tissue labeled with Anti-CD105 Polyclonal Antibody, unconjugated (ABIN707561) at 1: 200 followed by incubation with conjugated secondary antibody and DAB staining



Immunofluorescence (Cultured Cells)

Image 2. Image provided by One World Lab validation program. U138 cells probed with Rabbit Anti-CD105 Polyclonal Antibody at 1:50 for 60 minutes at room temperature followed by Goat Anti-Rabbit IgG (H+L) Alexa Fluor 488 Conjugated secondary antibody.



SDS-PAGE

Image 3. L1 rat brain, L2 rat heart lysates probed (ABIN707561) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted and observed band size: 70kDa.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN707561.