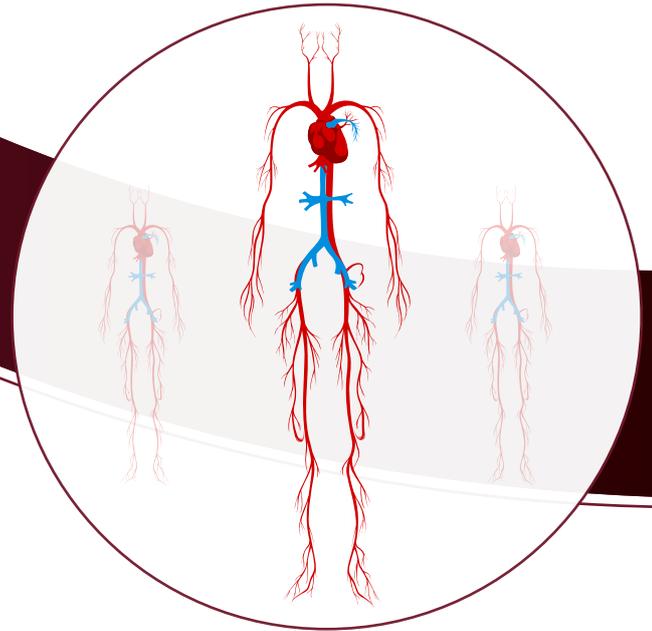


IHC PANEL MARKERS

Vascular Cancer Panel



BioGenex offers wide-ranging antibodies for several IHC panel for initial differentiation, tumor origin, treatment methods, and prognosis. All BioGenex antibodies are validated on human tissues to ensure sensitivity and specificity. BioGenex comprehensive IHC panels include a range of mouse monoclonal, rabbit monoclonal, and polyclonal antibodies to choose from.

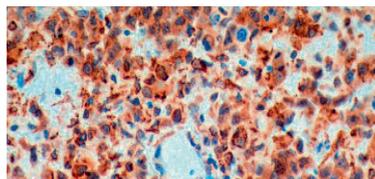
BioGenex offers a vast spectrum of high-quality antibodies for both diagnostic and reference laboratories. BioGenex strives to support efforts in clinical diagnostics and drug discovery development as we continue to expand our antibody product line offering in both ready-to-use and concentrated formats for both manual and automation systems.

Antibodies for Vascular tumor

VEGF, Factor VIII related Antigen (vWF), ERG, CD34, CD31, FLI-1



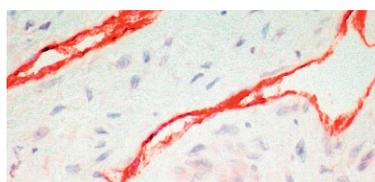
VEGF



Vascular endothelial factors (VEGFs) are a family of closely related growth factors having a conserved pattern of eight cysteine residues and share common VEGF receptors. VEGF receptors stimulate the proliferation of endothelial cells, induce angiogenesis, and increase vascular permeability in both large and small vessels. The mitogenic activity of VEGF appears to be mediated by specific VEGF receptors.

Antibody	Clone	Localization	Catalog Family
VEGF	Polyclonal (Rabbit)	Cytoplasm	AR483, AW483, PU483

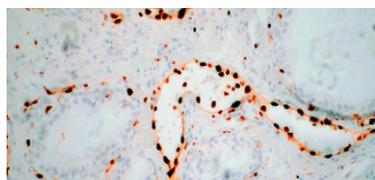
Factor VIII-Related Antigen (vWF)



Factor VIII-related antigen has proven to be one of the best available immunohistochemical markers for the identification of endothelial cells. Immunohistochemical staining of Factor VIII-related antigen has proved useful for the assessment of endothelial differentiation in neoplasms and a variety of other lesions. Demonstration of Factor VIII-related antigen by immunohistochemical staining has been suggested to identify vascular invasion by neoplasms.

Antibody	Clone	Localization	Catalog Family
Factor VIII-Related Antigen (vWF)	F8 2.2.9	Cytoplasm	AM016, AX016, MU016

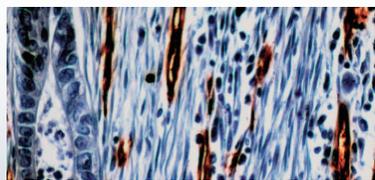
ERG



ERG is directed against the C-terminus of the ETS transcription regulator and is capable of detecting both wildtype ERG, and truncated ERG resulting from ERG gene rearrangement. ERG exhibits a nuclear staining pattern and may be used to aid in the identification of prostate adenocarcinomas through the detection of truncated ERG. This ERG antibody also recognizes Fli-1 by western blot analysis.

Antibody	Clone	Localization	Catalog Family
ERG	EP111	Nucleus	AN782, AY782, NU782

CD34

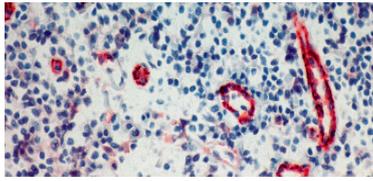


CD34 is an antibody to the CD34 antigen in human endothelial and hematopoietic cells. It stains positive in a variety of vascular and lymphatic tumors. Cells expressing CD34 are normally found in the umbilical cord and bone marrow as hematopoietic cells, and in vascular endothelium. This antibody stains endothelial cell cytoplasm and cross-reacts with basement membrane collagen. It is useful in identification of tumors with endothelial or lymphoid differentiation. In addition, CD34 aids in the detection of gastrointestinal stromal tumors.

Antibody	Clone	Localization	Catalog Family
CD34 (Endothelial Cell)	QBEnd/10	Membrane	AM236, AX236, MU236
CD34 (Endothelial Cell)	EP88	Membrane	AN779 AY779, NU779



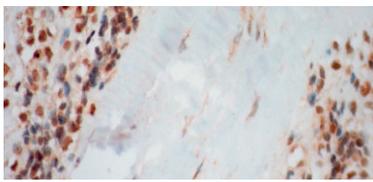
CD31



CD31 (Platelet Endothelial Cell Adhesion Molecule) is a 145 kD cell surface glycoprotein that was originally defined by a monoclonal antibody which is bound to endothelial cells and also to platelets. It strongly stains endothelium in normal tissue as well as benign and malignant tumor tissue. The antibody labels megakaryocytes, platelets, and occasionally plasma cells, and weakly stains mantle zone B cells, peripheral T cells, and neutrophils.

Antibody	Clone	Localization	Catalog Family
CD31	JC/70A	Membrane & Cytoplasm	AM232, AX232, MU232
CD31	9G11	Membrane & Cytoplasm	AM241, AX241, MU241

FLI-1



Defects in Friend Leukemia Integration 1 (FLI1) gene are a cause of Ewing sarcoma (ES), a highly malignant, metastatic, primitive small round cell tumor of bone and soft tissue that affects children and adolescents. They are considered a neural tumor derived from cells of the neural crest. Ewing sarcoma represents the less differentiated form of the tumors.

Antibody	Clone	Localization	Catalog Family
FLI-1	Polyclonal (Rabbit)	Nucleus	AR798, AW798, PU798



BioGenex Primary Antibody Format and Pack Size

BioGenex antibodies are optimized to provide a maximum signal with the minimum background for immunohistochemical staining. All our antibodies are optimized and recommended for use with all Super Sensitive™ Detection Systems to provide optimum staining.

BioGenex Ready-to-Use (RTU) antibodies are fully optimized for use with BioGenex Detection Systems without the need for further dilution or titration. BioGenex concentrated antibodies are provided with recommended dilutions for optimal use with BioGenex Detection Systems, allowing rapid titration and testing.

Prefix	Type	Species	Suffix	Volume and Format
AM/AN	Monoclonal	AM-Mouse/AN-Rabbit	-5M/5ME	6 mL - Ready-to-use (manual)
AM/AN	Monoclonal	AM-Mouse/AN-Rabbit	-10M/10ME	10 mL - Ready-to-use (i6000™)
AX/AY	Monoclonal	AX-Mouse/AY-Rabbit	-YCD/YCDE and -50D/50DE	16 mL and 5 mL Ready-to-use (Xmatrix®)
AR	Polyclonal	Rabbit	-5R/5RE	6 mL - Ready-to-use (manual)
AR	Polyclonal	Rabbit	-10R/10RE	10 mL - Ready-to-use (i6000™)
AW	Polyclonal	Rabbit	-YCD/YCDE and -50D/50DE	16 mL and 5 mL Ready-to-use (Xmatrix®)
MU/NU	Monoclonal	AM- Mouse/AN-Rabbit	-UC/UCE and -5UC/5UCE	1 mL and 0.5 mL Concentrate
PU	Polyclonal	Rabbit	-UC/UCE and -5UC/5UCE	1 mL and 0.5 mL Concentrate

Other Panel Markers from BioGenex

Breast cancer panel	Neuroendocrine tumor
B&T cell Associated Lymphoma	Pancreas tumor
Cervical cancer	Liver cancer
Colorectal and stomach cancer	Kidney cancer
Lung cancer	Head & neck cancer
Melanoma	Bladder cancer
Muscle cancer	Germ cell tumor
Ovarian cancer	Pituitary gland
Prostate/Testicular cancer	Esophagus cancer

For specific information on the individual antibody, please refer to the datasheets available on www.biogenex.com or call BioGenex Technical Support at **1(800)421-4149** or write to support@biogenex.com.



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