Primary antibodies

Antigen	Aplication (Concentration)	Reference
CDH5	IHC-Fr (1:100)	MA5-17050 Thermo Fisher
vWF	IHC-Fr (1:100)	Ab11713 abcam
CD146	IHC-Fr (1:100)	Ab75769 abcam
SαA	IHC-Fr (1:100), ICC (1:100)	A7732 sigma
αSMA	IHC-Fr (1:100)	A2547 sigma
GFP	IHC-Fr (1:100) , ICC (1:100)	632592 Clontech
YFP	IHC-Fr (1:100), ICC (1:100)	AB603 Evrogen
H2K119ub	ICC (1:100) , IP (1:2000)	ABE569 Millipore
BMI1	ICC (1:100), WB (1:100), IP (1:2000)	05-647 Millipore
HP1	ICC (1:100)	Ab77256 Millipore
α-tubulin	WB (1:1000)	CP06 Millipore
Ly6a	IHC-Fr (1:100)	Ab25196 abcam
53BP1	ICC (1:100)	NB100-304 Novus
c-KIT-biotin	FC (1:50)	553353 BD
CD140a-APC	FC (1:100)	135907 BioLegend
CD31-biotin	FC (1:100)	558737 BD
Ly6a-APC	FC (1:100)	17-5981-83 Thermo Fisher

IHC-Fr: Immunohistochemistry on frozen sections; ICC: immunocytochemistry;
WB: Western blot; IP: Immunoprecipitation; FC: flow cytometry

Primers

Gene	Sequence 5´-3´
$p16^{INK4a}$	Fw: CGTACCCCGATTCAGGTGATG Rv: AGAAGGTAGTGGGGTCCTCG
$p19^{INK4d}$	Fw: CACCGGAATCCTGGACCAG Rv: GCAGTTCGAATCTGCACCGT
Noxa	Fw: GAACGCGCCAGTGAACCCAA Rv: CTTTGTCTCCAATCCTCCGG
Duox1	Fw: CTGTACCTCGATGGACCGTTTGGAGA Rv: AGTCCTTGTCACCCAGATGAAGTAGA
Alox15	Fw: GACTTGGCTGAGCGAGGACT Rv: CTTGACACCAGCTCTGCA
Lpo	Fw: CTGGACCAGAAGAGATCCATG Rv: TCACCAGGTGGGAACATGATGG
Bmi1	Fw: CGCCCGCTCAGATCGCCTC Rv: ACCCTCCACACAGGACACACATT
Ly6a	Fw: GGCAGATGGGTAAGCAAAGA Rv: CAATTACCTGCCCCTACCCT
Myh6	Fw: CTTCATCCATGGCCAATTCT Rv: AGAAGAACTTGAGTTACGCG

Tnnt2	Fw: ACCCTCAGGCTCAGGTTCA Rv: AGACTTGTCCCTGACGTGTG
Hif1-α	Fw: GTCGGACAGCCTCACCAAACAG Rv: TAGGTAGTGAGCCACCAGTGTCC
Gata4	Fw: CACCTGTTGTGCAAATTGTCAGA Rv: GGATCCCTTCCTTCTTCATGGT
Pou5f1	Fw: TCTTCTGCTTCAGCAGCTTG Rv: AACCAAGGTGGAAGAGGTTG
Sox2	Fw: AAAGCGTTAATTTGGATGGG Rv: TGGGGAGGGTTAAGAGAACA
C-myc	Fw: TGAAGTTCACGTTGAGGGG Rv: AGAGCTCCTCGAGCTGTTTG
Nestin	Fw: CCCTGAAGTCGAGGAGCTG Rv: CTGCTGCACCTCTAAGCGA
αSMA	Fw: CTGACAGAGGCACCACTGAA Rv: CATCTCCAGAGTCCAGCACA
cd146	Fw: AGGACCTTGAGTTTGAGTGG Rv: CAGTGGTTTGGCTGGAGT
Tnnt3	Fw: TCCGGGATCTTAGGAGCAGT Rv: GAACAAGTTGAGGAGGAGGC
Collagen1α	Fw: TGACTGGAAGAGCGGAGAGT Rv: GTTCGGGCTGATGTACCAGT
s100a	Fw: TTTGTGGAAGGTGGACACAA Rv: CAGCACTTCCTCTCTCTTGG
Cdh5	Fw: TCATCAAACCCACGAAGTCC Rv: GGTCTGTGGCCTCAATGTAGA
cd31	Fw: AGTTCGCTGCCCATTCATCAC Rv: ACCCTCCACACAGGACACACATT
Tie2	Fw: TTTCGGCATCAGACACAAGA Rv: CCGGCTTAGTTCTCTGTGGA
cd34	Fw: TGAAAAAGCTGGGGATCCT Rv: TCCCAGGTCCTGAGCTATA
Kdr	Fw: AGAACACCAAAAGAGAGAGGAACG Rv: GCACACAGGCAGAAACCAGTAG
Vegfa	Fw: AAGGAGGAGGGCAGAATCAT Rv: ATCTGCATGGTGATGTTGGA
vWF	Fw: CCGTCTTCAGTAGCTGGCAT Rv: GTGTAAACGGGCATCTCCTC
Nkx2.5	Fw: GACAAAGCCGAGACGGATGG Rv: CTGTCGCTTGCACTTGTAGC
Myh6	Fw: ATCCCTCAAACGTGCAGGAG Rv: AAGGTCAGCAGGAGCCAATC
Tbx20	Fw: AAACCCCTGGAACAATTTGTGG Rv: CATCTCTTCGCTGGGGATGAT
Mef2c	Fw: CCCTCAGTCAGTTGGGAGCTTGC Rv: CTCGAAGGGGTGGTGGTACGGT
Tpm2	Fw: TTTGCAAGGCTGTAGCCAG Rv: AAGGATGCCCAGGAGAAACT

GusB	Fw: ACTCCTCACTGAACATGCGA Rv: ATAAGACGCATCAGAAGCCG
Gadph	Fw: AGGTCGGTGTGAACGGATTTG Rv: TGTAGACCATGTAGTTGAGGTCA
Gata4 (ChIP)	Fw: CGAAACTGTAGGATGAACAC Rv: GTGAAATCCAACATCTGC
Nkx2.5 (ChIP)	Fw: GATAAGATGACATACCAGAGC Rv: GTCTCTCGGCAAGAAG
Neg Control (ChIP)	Fw: GTATGGTGAAGACAACGCAC Rv: CTGCTTGGAGGGTAAGCAC
Tbx20 (ChIP)	Fw: GTCCCGATCTCCACGTGTGG Rv: GAGCGGTGGCTGAGCTCAG
Hoxb8 (ChIP)	Fw: GGGCAGTCCGGGAGTATC Rv: GGAGGTAGGTGTTTGGAACG
Foxa1 (ChIP)	Fw: CCAGGAAGAGTCAAGGATCAA Rv: CTAACTTCGGGTGCAGTTCC
Ink4a (ChIP)	Fw: CTGTTTCAACTCCCAGCTCTC Rv: GATGGAGCCCGGACTACAGAAG

GEO accesion number: GSE92700
GEO url:
https://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?token=ihkvqmicxvcrrah&acc=GSE92700