

For Research Use Only

BVES Polyclonal antibody

Catalog Number: 12920-1-AP 1 Publications



Basic Information

Catalog Number: 12920-1-AP	GenBank Accession Number: BC034425	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 150 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 11149	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200
Source: Rabbit	Full Name: blood vessel epicardial substance	
Isotype: IgG	Calculated MW: 360 aa, 41 kDa	
Immunogen Catalog Number: AG3593	Observed MW: 41-70 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : mouse skeletal muscle tissue, IHC : human ovary tumor tissue,
Cited Applications: IHC	
Species Specificity: human, mouse, rat	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

BVES, also named as POP1, POPDC 1 and hBVES, belongs to the popeye family. It is cell adhesion molecule involved in the establishment and/or maintenance of cell integrity. It is involved in the formation and regulation of the tight junction (TJ) paracellular permeability barrier in epithelial cells. It is also involved in striated muscle regeneration and repair and in the regulation of cell spreading. BVES is expressed in the progenitors of coronary artery smooth muscle cells as well as in differentiated smooth muscle cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Luo Deng D	22109561	Pathol Oncol Res	IHC

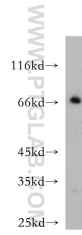
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

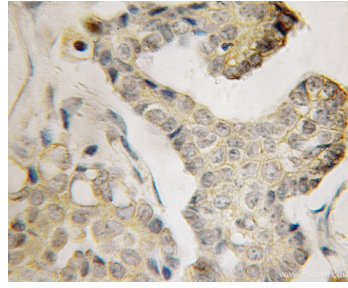
For technical support and original validation data for this product please contact:
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Selected Validation Data



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 12920-1-AP (BVES antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 12920-1-AP (BVES antibody) at dilution of 1:100 (under 10x lens).