

## Anti-FABP4 Antibody

Catalog Number: A01528-1

### About FABP4

Anti-CD31 antibody was designed, produced, and validated as part of the Joy Cappel Young Investigator Award (JCYIA). CD31 (PECAM-1) is a 130 kDa platelet endothelial cell adhesion molecule encoded by the PECAM1 gene found on chromosome 17 in humans. CD31 is expressed on platelets, monocytes, neutrophils, and some types of T-cells, and makes up a large portion of endothelial cell intercellular junctions. CD31 plays a key role in modulation of integrin-mediated cell adhesion, leukocyte transendothelial migration, angiogenesis, apoptosis and macrophage phagocytosis. CD31 is also expressed in certain tumors, including epithelioid hemangioendothelioma, epithelioid sarcoma-like hemangioendothelioma, other vascular tumors, histiocytic malignancies, and plasmacytomas. Anti-CD31 is ideal for researchers interested in Stem Cell Research, Epigenetics, and Cell-cycle Regulation research.

### Overview

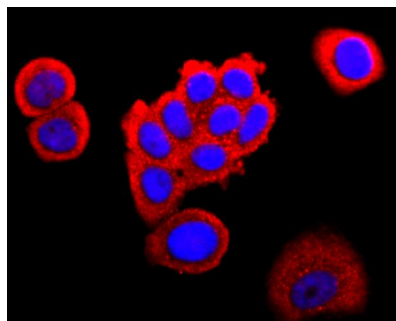
|                      |                                                                                                                                            |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-FABP4 Antibody                                                                                                                        |
| Reactive Species     | Human, Mouse, Rat                                                                                                                          |
| Description          | Boster Bio Anti-FABP4 Antibody catalog # A01528-1. Tested in WB,ICC/IF,IHC applications. This antibody reacts with Human,Mouse,Rat.        |
| Application          | IF, IHC, ICC, WB                                                                                                                           |
| Clonality            | Polyclonal                                                                                                                                 |
| Formulation          | Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2                                                                     |
| Storage Instructions | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |
| Host                 | Rabbit                                                                                                                                     |
| Uniprot ID           | P15090                                                                                                                                     |

### Technical Details

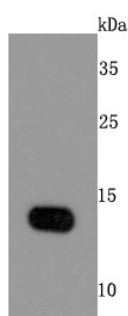
|                            |                                                               |
|----------------------------|---------------------------------------------------------------|
| Immunogen                  | Synthesized peptide derived from part region of human protein |
| Predicted Reactive Species | Boar, Bovine, Canine, Golden Hamster                          |
| Cross Reactivity           | No cross reactivity with other proteins.                      |
| Isotype                    | IgG                                                           |
| Form                       | Liquid                                                        |
| Concentration              | 1 mg/ml                                                       |

| Purification        | ProA affinity purified                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suggested Dilutions | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB: 1:500-1:2,000<br/>ICC: 1:100-1:500<br/>IHC: 1:50-1:200</p> |

## Anti-FABP4 Antibody (A01528-1) Images



ICC staining FABP4 in MCF-7 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Western blot analysis of FABP4 on mouse heart cells lysates using anti-FABP4 antibody at 1/500 dilution.

## 1 Publications Citing This Product

1. PubMed ID: 32018039, Chen G,Wang Q,Li Z,Yang Q,Liu Y,Du Z,Zhang G,Song Y.Circular RNA CDR1as promotes adipogenic and suppresses osteogenic differentiation of BMSCs in steroid-induced osteonecrosis of the femoral head.Bone.2020 Apr;133:115258.doi:10.1016/j.bone.2020.115258.Epub

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