

## Anti-ER81 ETV1 Monoclonal Antibody

Catalog Number: M01383

### About ETV1

TRPC6, also known as TRP6, short transient receptor potential channel 6 and transient receptor potential cation channel subfamily C member 6, is thought to form a receptor-activated non-selective calcium permeant cation channel. TRPC6 is probably operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. It is activated by diacylglycerol (DAG) in a membrane-delimited fashion, independently of protein kinase C and may not to be activated by intracellular calcium store depletion. Defects in this gene are a cause of focal segmental glomerulosclerosis (FSGS). Expression of this protein has been reported in tissues such as placenta, lung, spleen, ovary, small intestine, and renal podocytes. Immunohistochemistry studies using polyclonal antibodies to this target have shown moderate to strong staining in cell types such as neurons, breast, respiratory, squamous and prostate epithelium, epidermis, placental trophoblasts, dendritic cells, and subsets of immune cells, and faint to moderate staining of adrenal, colon, ganglion cells, hepatocytes, heart, and testis.

### Overview

|                      |                                                                                                                                            |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-ER81 ETV1 Monoclonal Antibody                                                                                                         |
| Reactive Species     | Human                                                                                                                                      |
| Description          | Boster Bio Anti-ER81 ETV1 Monoclonal Antibody catalog # M01383. Tested in ELISA, WB applications. This antibody reacts with Human.         |
| Application          | ELISA, WB                                                                                                                                  |
| Clonality            | Monoclonal 1C8B6                                                                                                                           |
| Formulation          | Ascitic fluid containing 0.03% sodium azide.                                                                                               |
| 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                 | Mouse                                                                                                                                      |
| Uniprot ID           | P50549                                                                                                                                     |

### Technical Details

|                            |                                                                       |
|----------------------------|-----------------------------------------------------------------------|
| Immunogen                  | Purified recombinant fragment of ER81 (aa1-191) expressed in E. Coli. |
| Predicted Reactive Species | Chimpanzee                                                            |
| Cross Reactivity           | No cross reactivity with other proteins.                              |
| Isotype                    | IgG                                                                   |
| Form                       | Liquid                                                                |
| Concentration              | 1 mg/ml                                                               |

| Purification        | Affinity purification                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 1:500-1:2000</p> <p>ELISA 1:10000</p> |

## Anti-ER81 ETV1 Monoclonal Antibody (M01383) Images

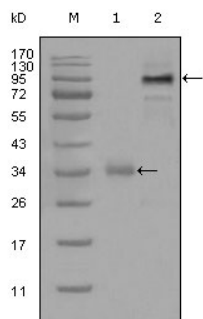


Figure 1. Western blotting validation for Anti-ER81 ETV1 Monoclonal Antibody M01383

Western Blot (WB) analysis using ER81 Monoclonal Antibody against truncated Trx-ETV1 recombinant protein (1) and full-length ETV1 (aa1-477)-hlgGfc transfected CHO-K1 cell lysate(2).

Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration

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