

## ZnT-1 (R239) polyclonal antibody

Catalog: BS9171

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

Zinc, an essential element required for cell proliferation and differentiation, plays a role in a diverse array of cellular functions, including acting as a cofactor for numerous enzymes and transcription factors and as a neuroregulator. The zinc transporter (ZnT) family regulates the supply of zinc within cells, and its members are characterized by containing six membrane-spanning domains, a large histidine-rich intracellular loop, and a C-terminal tail. ZnT-1, a ubiquitous protein of approximately 60 kDa, localizes to the plasma membrane to aid in the export of zinc out of cells.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.02% sodium azide, 50% Glycerol, approx. pH 7.2.

### Molecular Weight:

~ 55 kDa

### Swiss-Prot:

Q9Y6M5

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

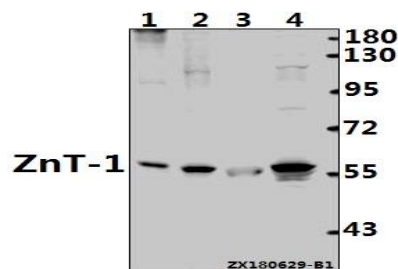
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

ZnT-1 (R239) polyclonal antibody detects endogenous levels of ZnT-1 protein.

### DATA:



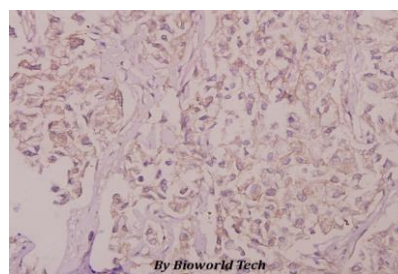
Western blot (WB) analysis of ZnT-1 (R239) pAb at 1:500 dilution

Lane1:HCT116 whole cell lysate(40ug)

Lane2:C6 whole cell lysate(40ug)

Lane3:The Embryo tissue lysate of Mouse(40ug)

Lane4:Hela whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of ZnT-1 (R239) pAb in paraffin-embedded human colorectal carcinoma tissue at 1:50.

### Note:

For research use only, not for use in diagnostic procedure.

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