

## Anti-TPM4 Antibody

Catalog Number: A04712-1

### About TPM4

TPM4, also named as TM30p1, Tropomyosin 4, Tropomyosin alpha 4 chain. This gene is one gene type of tropomyosin isoforms and encodes a member of the tropomyosin family of actin-binding proteins involved in the contractile system of striated and smooth muscles and the cytoskeleton of non-muscle cells. Tropomyosin is a major regulatory protein of cytoskeleton and is localized along actin filaments modulating the interaction of actin and myosin (PubMed: 26315888, PubMed: 32638329). In addition, TPM4 has been reported as an oncoprotein in several malignancies (PubMed: 37459535). The calculated molecular weight of TPM4 is usually approximately 28 kDa. It maybe have two isoforms: the short 30-kDa isoform (TPM4.2) and the long 38-kDa isoform (TPM4.1) (PubMed: 28134622).

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-TPM4 Antibody  |
| Reactive Species     | Human, Mouse, Rat   |
| Description          | Boster Bio Anti-TPM4 Antibody catalog # A04712-1. Tested in WB, IHC, ELISA applications. This antibody reacts with Human, Mouse, Rat.   |
| Application          | ELISA, IHC, WB  |
| Clonality            | Polyclonal  |
| Formulation          | 500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg stabilizing protein and 50% glycerol<br>*This antibody is supplied in a stabilized formulation.<br>Compatibility with conjugation reactions depends on the chemistry of the conjugation method used.<br>For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required. |
| Storage Instructions | 12 months from date of receipt at -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.   |
| Host                 | Rabbit  |
| Uniprot ID           | P67936  |

### Technical Details

|                     |  |
|---------------------|--|
| Immunogen           | E.coli-derived human TPM4 recombinant protein (Position: G3-L245). |
| Form                | Liquid   |
| Concentration       | 500 ug/ml  |
| Purification        | Immunogen affinity purified.                                       |
| Suggested Dilutions | Western blot, 1:500-2000   |

Immunohistochemistry, 1:50-400  
ELISA, 1:100-1000

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### Anti-TPM4 Antibody

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