Recombinant Tropomyosin alpha-1 chain Antibody

Rabbit Monoclonal Antibody [Clone TPM1/9536R]

Catalog No	Format	Size
7168-RBM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7168-RBM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7168-RBM3-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	TPM1/9536R
Immunogen	Recombinant full-length human TPM1 protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	32.71kDa
Cellular Localization	Cytoplasm, Cytoskeleton
Species Reactivity	Human
Positive Control	Detected in primary breast cancer tissues but undetectable in normal breast tissues in Sudanese patients

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant Tropomyosin alpha-1 chain Antibody

Specificity & Comments

Binds to actin filaments in muscle and non-muscle cells (PubMed:23170982). Plays a central role, in association with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction (PubMed:23170982). Smooth muscle contraction is regulated by interaction with caldesmon. In non-muscle cells is implicated in stabilizing cytoskeleton actin filaments.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.