Datasheet for ABIN2855416

anti-MUSK antibody (N-Term)

2 Images

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Overview

Quantity:	100 µL
Target:	MUSK
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUSK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the N-terminus region of human MUSK. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Mouse (Murine), Rat (Rattus), Cow (Bovine)
Cross-Reactivity (Details):	Mouse (97 %), Rat (98 %), Bovine (97 %)
Characteristics:	Rabbit Polyclonal antibody to MUSK (muscle, skeletal, receptor tyrosine kinase) MUSK antibody [N1N2], N-term
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	MUSK
Alternative Name:	MUSK (MUSK Products)
Background:	Intercellular communication is often mediated by receptors on the surface of one cell that recognize and are activated by specific protein ligands released by other cells. Members of one class of cell surface receptors, receptor tyrosine kinases (RTKs), are characterized by having a cytoplasmic domain containing intrinsic tyrosine kinase activity. This kinase activity is regulated by the binding of a cognate ligand to the extracellular portion of the receptor. DeChiara et al. (1996) [PubMed 8653786] noted that the RTKs, known to be expressed in cell type-specific fashions, play a role critical for the growth and differentiation of those cell types. For example, members of the neural-specific TRK family that recognize nerve growth factor are absolutely required for the survival and development of discrete neuronal subpopulations, and the receptor tyrosine kinases TIE1 (MIM 600222) and TIE2 (MIM 600221) play a critical role in the development of normal blood vessels.[supplied by OMIM] Cellular Localization: Membrane, Single-pass type I membrane protein
Molecular Weight:	97 kDa
Gene ID:	4593
Pathways:	RTK Signaling, Regulation of Muscle Cell Differentiation, Synaptic Membrane, Regulation of Cell Size, Skeletal Muscle Fiber Development

Application Details

Application Notes:	Suggested dilution Reference IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceIHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:3000*
Comment:	Positive Control: NT2D1
Restrictions:	For Research Use only

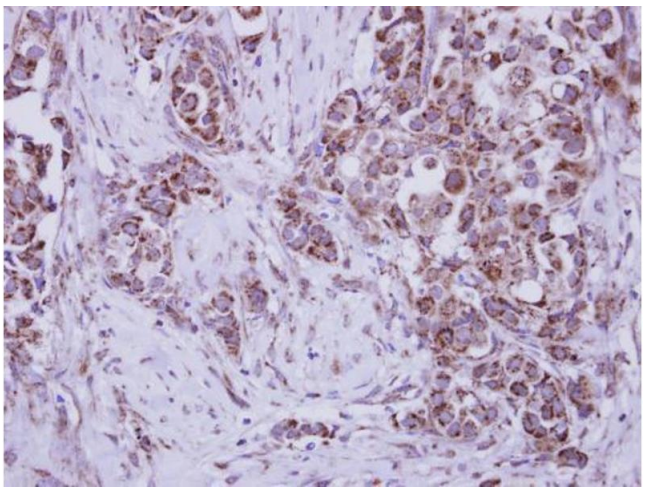
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.

Handling

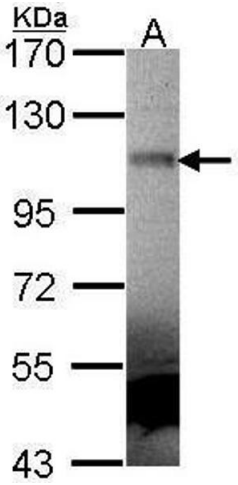
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. IHC-P Image Immunohistochemical analysis of paraffin-embedded human breast cancer, using MUSK, antibody at 1:250 dilution.



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: NT2D1 7.5% SDS PAGE antibody diluted at 1:1000