

Datasheet for ABIN3031878
anti-MUSK antibody (AA 829-859)

5 Images

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Overview

Quantity:	0.4 mL
Target:	MUSK
Binding Specificity:	AA 829-859
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUSK antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 829-859 from the human protein was used as the immunogen for this MUSK antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	MUSK
Alternative Name:	MUSK (MUSK Products)
Background:	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells,

Target Details

regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The tyrosine kinase (TK) group is mainly involved in the regulation of cell-cell interactions such as differentiation, adhesion, motility and death. There are currently about 90 TK genes sequenced, 58 are of receptor protein TK (e.g. EGFR, EPH, FGFR, PDGFR, TRK, and VEGFR families), and 32 of cytosolic TK (e.g. ABL, FAK, JAK, and SRC families).

UniProt: [O15146](#)

Pathways: [RTK Signaling](#), [Regulation of Muscle Cell Differentiation](#), [Synaptic Membrane](#), [Regulation of Cell Size](#), [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: Titration of the MUSK antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Flow Cytometry: 1:10-1:50, Western blot: 1:1000, IHC (Paraffin): 1:50-1:100

Restrictions: For Research Use only

Handling

Format: Liquid

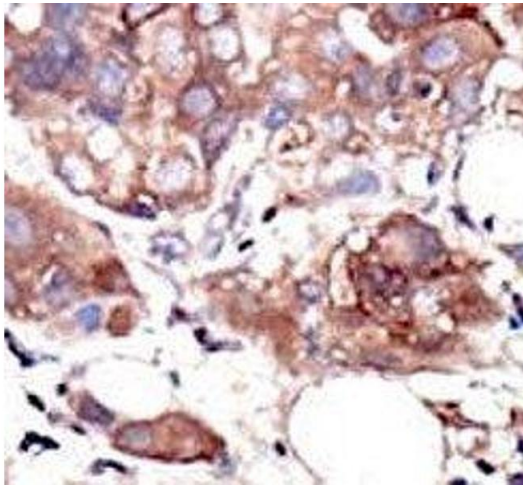
Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

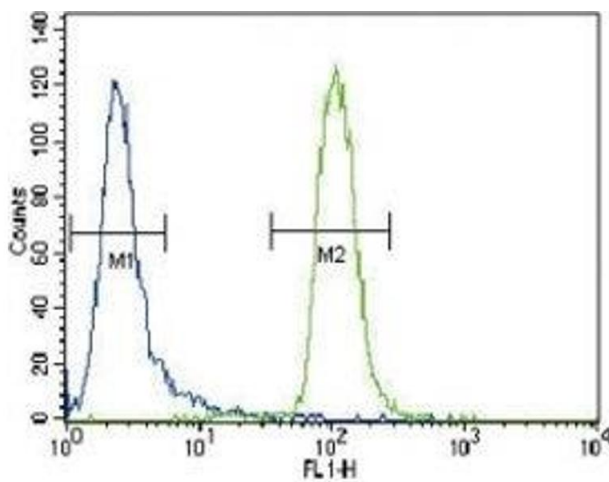
Storage: -20 °C

Storage Comment: Aliquot the MUSK antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



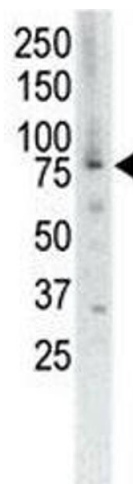
Immunohistochemistry

Image 1. IHC analysis of FFPE human breast carcinoma tissue stained with the MUSK antibody



Flow Cytometry

Image 2. MUSK antibody flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Western Blotting

Image 3. Western blot analysis of MUSK antibody and placenta cell lysate

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3031878.