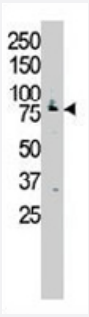
MUSK polyclonal antibody

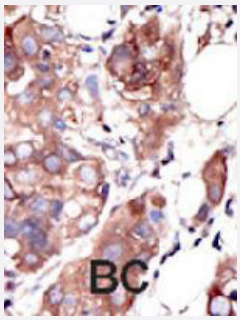
Catalog # PAB3370 Size 400 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of MUSK polyclonal antibody (Cat # PAB3370) in placenta tissue lysate. MUSK (Arrow) was detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with MUSK polyclonal antibody (Cat # PAB3370) , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated. BC = breast carcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MUSK.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human MUSK.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	Flow Cytometry (1:10-50) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Flow Cytometry

Gene Info — MUSK

Entrez GeneID	4593
Protein Accession#	O15146
Gene Name	MUSK
Gene Alias	MGC126323, MGC126324
Gene Description	muscle, skeletal, receptor tyrosine kinase
Omim ID	601296 608931
Gene Ontology	Hyperlink

Gene Summary	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
Other Designations	protein-tyrosine kinase|receptor tyrosine kinase|skeletal muscle receptor tyrosine kinase

Publication Reference

- Oncogenic kinase signalling.

  Blume-Jensen P, Hunter T.

  Nature 2001 May; 411(6835):355.

- Phosphoinositide 3-kinase signalling pathways.

  Cantrell DA.

  Journal of Cell Science 2001 Apr; 114(Pt 8):1439.

- The RET proto-oncogene in human cancers.

  Jhiang SM.

  Oncogene 2000 Nov; 19(49):5590.

Disease

- Kidney Failure