10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MEG2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8408b

Specification

MEG2 Antibody (C-term) - Product Information

Application	**IHC-P, WB,E**
Primary Accession	P43378
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**477-505**

MEG2 Antibody (C-term) - Additional Information

Gene ID 5780

Other Names
Tyrosine-protein phosphatase non-receptor type 9, Protein-tyrosine phosphatase MEG2, PTPase MEG2, PTPN9

Target/Specificity
This MEG2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 477-505 amino acids from the C-terminal region of human MEG2.

Dilution
IHC-P~~1:10~50
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
MEG2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MEG2 Antibody (C-term) - Protein Information

Name PTPN9

Function Protein-tyrosine phosphatase that could participate in the transfer of hydrophobic

ligands or in functions of the Golgi apparatus.

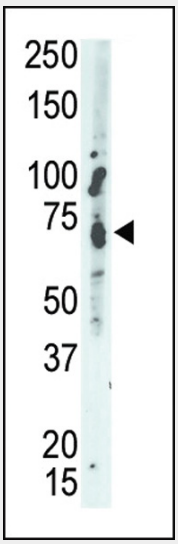
Cellular Location
Cytoplasm.

MEG2 Antibody (C-term) - Protocols

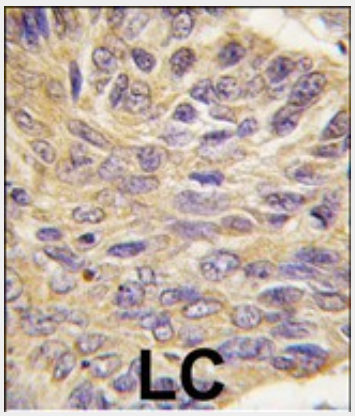
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MEG2 Antibody (C-term) - Images



The anti-MEG2 Pab (Cat. #AP8408b) is used in Western blot to detect MEG2 in A549 cell lysate.



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with MEG2 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.

This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

MEG2 Antibody (C-term) - Background

MEG2 is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains an N-terminal domain that shares a significant similarity with yeast SEC14, which is a protein that has phosphatidylinositol transfer activity and is required for protein secretion through the Golgi complex in yeast. This PTP was found to be activated by polyphosphoinositide, and is thought to be involved in signaling events regulating phagocytosis.

MEG2 Antibody (C-term) - References

Kruger, J.M., et al., J. Biol. Chem. 277(4):2620-2628 (2002).
Qi, Y., et al., J. Cell. Biochem. 86(1):79-89 (2002).
Gu, M., et al., Proc. Natl. Acad. Sci. U.S.A. 89(7):2980-2984 (1992).