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MRC2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16060c

Specification

MRC2 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q9UBG0
Other Accession	NP_006030.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**166674**
Antigen Region	**798-827**

MRC2 Antibody (Center) - Additional Information

Gene ID 9902

Other Names
C-type mannose receptor 2, C-type lectin domain family 13 member E, Endocytic receptor 180, Macrophage mannose receptor 2, Urokinase-type plasminogen activator receptor-associated protein, UPAR-associated protein, Urokinase receptor-associated protein, CD280, MRC2, CLEC13E, ENDO180, KIAA0709, UPARAP

Target/Specificity
This MRC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 798-827 amino acids from the Central region of human MRC2.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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
MRC2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

MRC2 Antibody (Center) - Protein Information

Name MRC2

Synonyms CLEC13E, ENDO180, KIAA0709, UPARAP

Function May play a role as endocytotic lectin receptor displaying calcium-dependent lectin activity. Internalizes glycosylated ligands from the extracellular space for release in an endosomal compartment via clathrin-mediated endocytosis. May be involved in plasminogen activation system controlling the extracellular level of PLAUR/PLAU, and thus may regulate protease activity at the cell surface. May contribute to cellular uptake, remodeling and degradation of extracellular collagen matrices. May play a role during cancer progression as well as in other chronic tissue destructive diseases acting on collagen turnover. May participate in remodeling of extracellular matrix cooperating with the matrix metalloproteinases (MMPs).

Cellular Location
Membrane; Single-pass type I membrane protein.

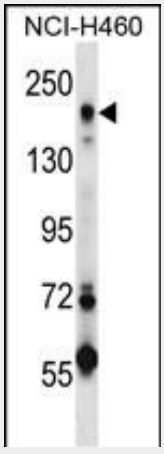
Tissue Location
Ubiquitous with low expression in brain, placenta, lung, kidney, pancreas, spleen, thymus and colon. Expressed in endothelial cells, fibroblasts and macrophages. Highly expressed in fetal lung and kidney.

MRC2 Antibody (Center) - 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

MRC2 Antibody (Center) - Images



MRC2 Antibody (Center) (Cat. #AP16060c) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the MRC2 antibody detected the MRC2 protein (arrow).

MRC2 Antibody (Center) - Background

MRC2 is a recycling endocytic receptor that functions in

cell motility and remodeling of the extracellular matrix by promoting cell migration and uptake of collagens for intracellular degradation (Wienke et al., 2007 [PubMed 17974964]).[supplied by OMIM].

MRC2 Antibody (Center) - References

Messaritou, G., et al. J. Cell. Sci. 122 (PT 22), 4042-4048 (2009) :
Wu, X., et al. Cancer Prev Res (Phila Pa) 2(7):617-624(2009)
Wienke, D., et al. Cancer Res. 67(21):10230-10240(2007)
Sulek, J., et al. J. Histochem. Cytochem. 55(4):347-353(2007)
Johnson, J.M., et al. Science 302(5653):2141-2144(2003)