ARG66607
anti-MRC2 / Endo180 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MRC2 / Endo180
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MRC2 / Endo180
Species	Human
Immunogen	Synthetic peptide within aa. 90-170 of Human MRC2 / Endo180.
Conjugation	Un-conjugated
Alternate Names	CD280; CLEC13E; CD antigen CD280; UPAR-associated protein; Urokinase receptor-associated protein; Endocytic receptor 180; C-type lectin domain family 13 member E; Urokinase-type plasminogen activator receptor-associated protein; ENDO180; C-type mannose receptor 2; Macrophage mannose receptor 2; UPARAP

Application Instructions

Application table

Application	Dilution
ICC/IF	1:200 - 1:1000
IHC-P	1:100 - 1:300
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

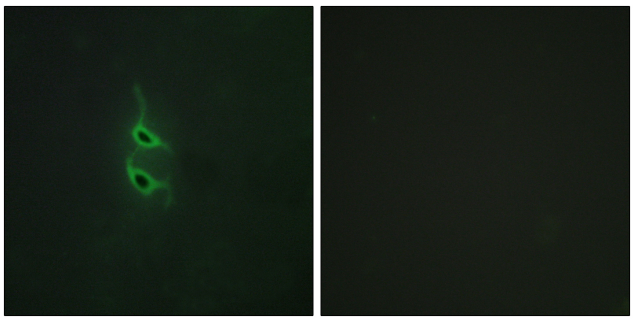
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

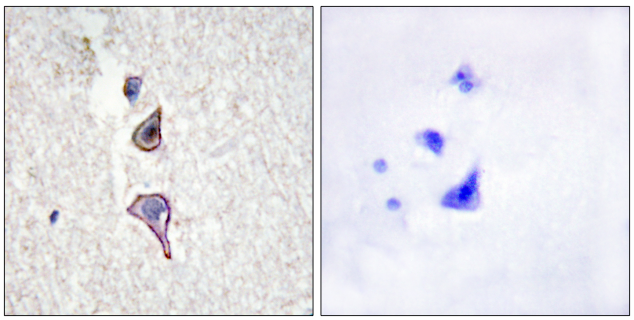
Gene Symbol	MRC2
Gene Full Name	mannose receptor, C type 2
Background	This gene encodes a member of the mannose receptor family of proteins that contain a fibronectin type II domain and multiple C-type lectin-like domains. The encoded protein plays a role in extracellular matrix remodeling by mediating the internalization and lysosomal degradation of collagen ligands. Expression of this gene may play a role in the tumorigenesis and metastasis of several malignancies including breast cancer, gliomas and metastatic bone disease. [provided by RefSeq, Feb 2012]
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). [UniProt]
Calculated Mw	167 kDa
PTM	N-glycosylated. [UniProt]
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

Images



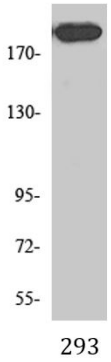
ARG66607 anti-MRC2 / Endo180 antibody ICC/IF image

Immunofluorescence: HepG2 cells stained with ARG66607 anti-MRC2 / Endo180 antibody. The picture on the right is blocked with the synthetic peptide.



ARG66607 anti-MRC2 / Endo180 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human brain tissue stained with ARG66607 anti-MRC2 / Endo180 antibody. The picture on the right is blocked with the synthetic peptide.



ARG66607 anti-MRC2 / Endo180 antibody WB image

Western blot: 293 cell lysate stained with ARG66607 anti-MRC2 / Endo180 antibody at 1:1000 dilution.