

Endo180 Polyclonal Antibody

Catalog No: YT1556

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF;ELISA

Target: Endo180

Fields: >>Phagosome;>>Tuberculosis

Gene Name: MRC2

Protein Name: C-type mannose receptor 2

Q9UBG0

Q64449

Human Gene ld: 9902

Human Swiss Prot

Tullian Swiss Fro

No:

Mouse Gene Id: 17534

Mouse Swiss Prot

No:

Rat Gene Id: 498011

Rat Swiss Prot No: Q4TU93

Immunogen: The antiserum was produced against synthesized peptide derived from human

MRC2. AA range:121-170

Specificity: Endo180 Polyclonal Antibody detects endogenous levels of Endo180 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not

yet tested in other applications.



Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 167kD

Background: mannose receptor C type 2(MRC2) Homo sapiens 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: domain:C-type lectin domains 3 to 8 are not required for calcium-dependent

binding of mannose, fucose and N-acetylglucosamine. C-type lectin domain 2 is

responsible for sugar-binding in a calcium-dependent

manner.,domain:Fibronectin type-II domain mediates collagen-

binding.,domain:Ricin B-type lectin domain contacts with the second C-type lectin domain.,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

Subcellular Location :

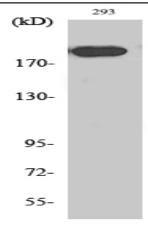
Membrane; Single-pass type I membrane protein.

Expression:

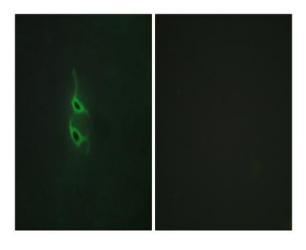
Ubiquitous with low expression in brain, placenta, lung, kidney, pancreas, spleen, thymus and colon. Expressed in endothelial cells, fibroblasts and

macrophages. Highly expressed in fetal lung and kidney.

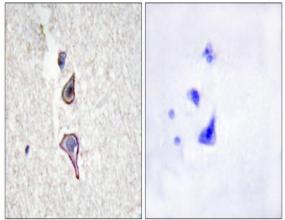
Products Images



Western Blot analysis of various cells using Endo180 Polyclonal Antibody diluted at 1:1000

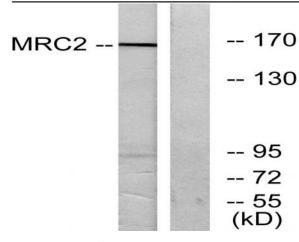


Immunofluorescence analysis of HepG2 cells, using MRC2 Antibody. The picture on the right is blocked with the synthesized peptide.

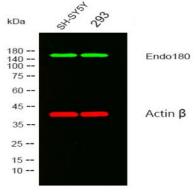


Immunohistochemistry analysis of paraffin-embedded human brain tissue, using MRC2 Antibody. The picture on the right is blocked with the synthesized peptide.





Western blot analysis of lysates from 293 cells, using MRC2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from SH-SY5Y,293 cells, (Green) primary antibody was diluted at 1:1000, 4° over night, secondary antibody was diluted at 1:10000, 37° 1hour. (Red) loading contrl antibody was diluted at 1:5000 as loading control, 4° over night, secondary antibody was diluted at 1:10000, 37° 1hour.