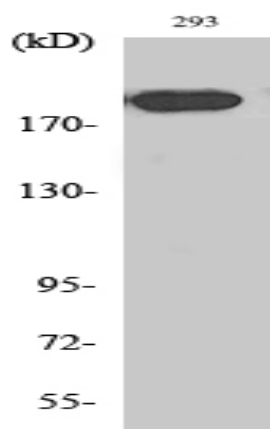


Endo180 Polyclonal Antibody

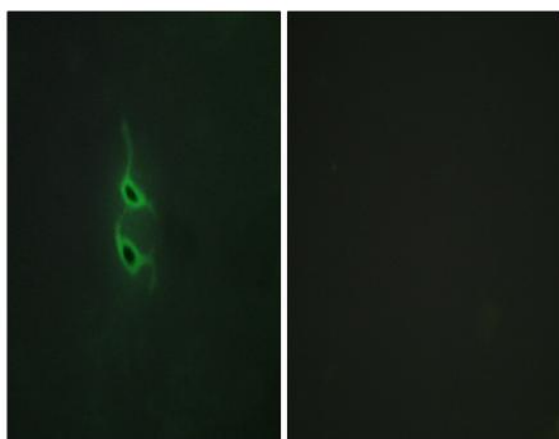
Catalog No :	YT1556
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Endo180
Fields :	>>Phagosome;>>Tuberculosis
Gene Name :	MRC2
Protein Name :	C-type mannose receptor 2
Human Gene Id :	9902
Human Swiss Prot No :	Q9UBG0
Mouse Gene Id :	17534
Mouse Swiss Prot No :	Q64449
Rat Gene 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 PLAU/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.
Tag :	hot
Sort :	5555
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

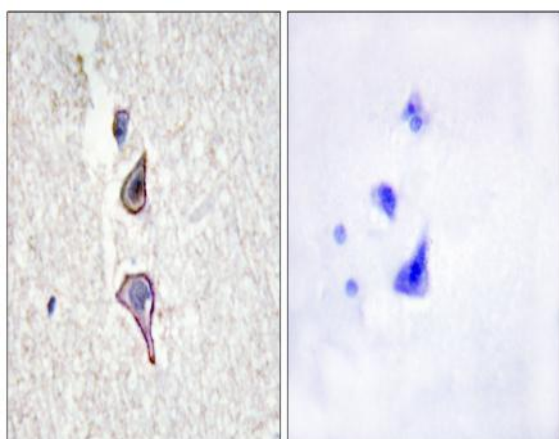
Products Images



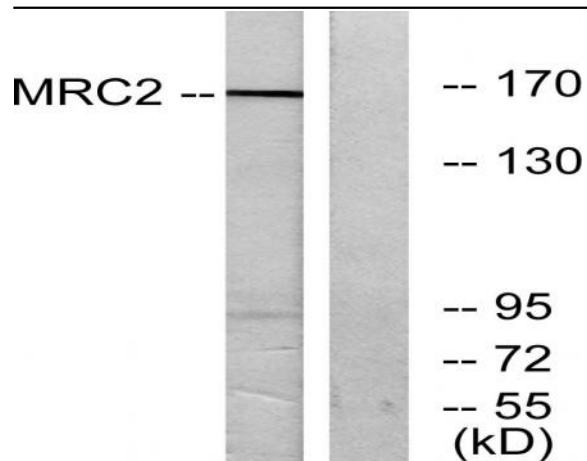
Western Blot analysis of various cells using Endo180 Polyclonal Antibody diluted at 1:1000



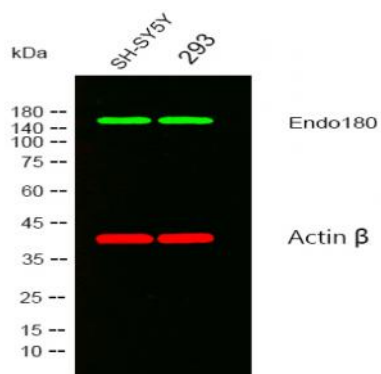
Immunofluorescence analysis of HepG2 cells, using MRC2 Antibody. The picture on the right is blocked with the synthesized peptide.



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° 1 hour. (Red) loading control antibody was diluted at 1:5000 as loading control, 4° over night, secondary antibody was diluted at 1:10000, 37° 1 hour.