

## Endo180 Polyclonal Antibody

<b>Catalog No :</b>	YT1556
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	Endo180
<b>Fields :</b>	>>Phagosome;>>Tuberculosis
<b>Gene Name :</b>	MRC2
<b>Protein Name :</b>	C-type mannose receptor 2
<b>Human Gene Id :</b>	9902
<b>Human Swiss Prot No :</b>	Q9UBG0
<b>Mouse Gene Id :</b>	17534
<b>Mouse Swiss Prot No :</b>	Q64449
<b>Rat Gene Id :</b>	498011
<b>Rat Swiss Prot No :</b>	Q4TU93
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human MRC2. AA range:121-170
<b>Specificity :</b>	Endo180 Polyclonal Antibody detects endogenous levels of Endo180 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	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.

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**Concentration :** 1 mg/ml

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

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**Observed Band :** 167kD

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**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],

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**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

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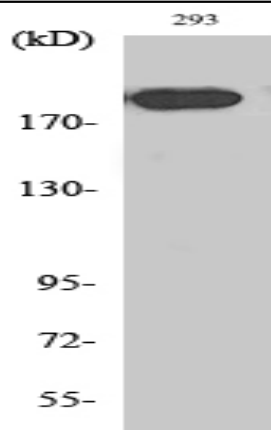
**Subcellular Location :** Membrane; Single-pass type I membrane protein.

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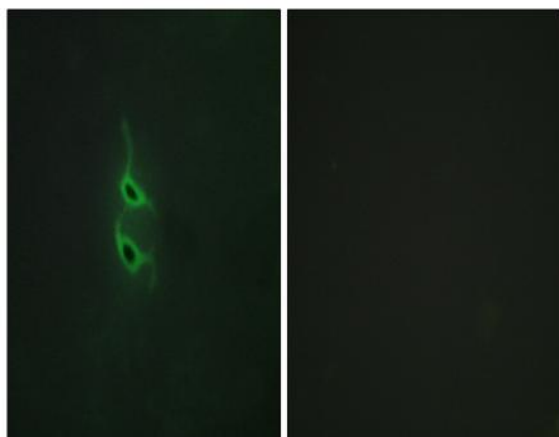
**Expression :** Ubiquitous with low expression in brain, placenta, lung, kidney, pancreas, spleen, thymus and colon. Expressed in endothelial cells, fibroblasts and macrophages. Highly expressed in fetal lung and kidney.

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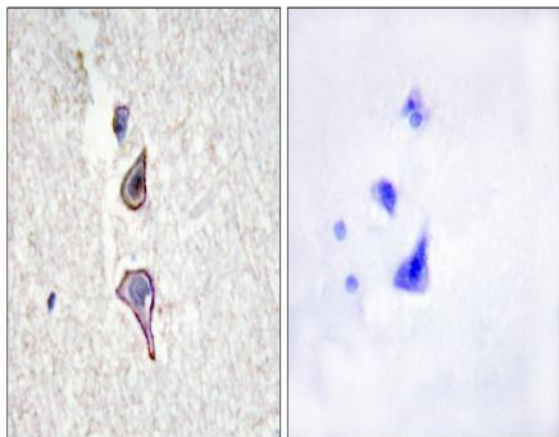
## Products Images



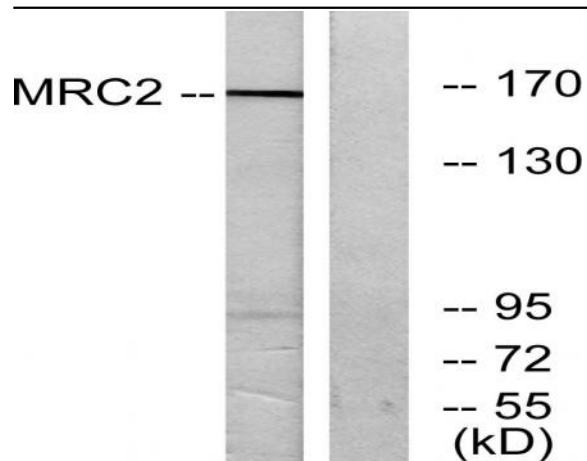
Western Blot analysis of various cells using Endo180 Polyclonal Antibody diluted at 1:1000



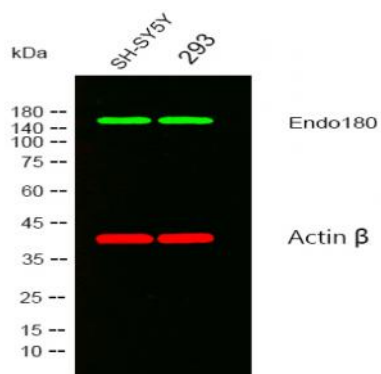
Immunofluorescence analysis of HepG2 cells, using MRC2 Antibody. The picture on the right is blocked with the synthesized peptide.



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.