

Product datasheet

Anti-MRC2/ENDO180 antibody ab70132

★★★★☆ [4 Abreviews](#) [12 References](#) [4 Images](#)

Overview

Product name	Anti-MRC2/ENDO180 antibody
Description	Rabbit polyclonal to MRC2/ENDO180
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 0.87% Sodium chloride, 50% Glycerol, PBS</p>
	Without Mg ²⁺ and Ca ²⁺
Purity	Immunogen affinity purified
Purification notes	ab70132 was affinity purified from rabbit antiserum by affinity chromatography using epitope specific immunogen.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab70132 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	
IHC-P	★★★★★ (1)	
ICC/IF	★★★★★ (1)	

Application notes

ELISA: 1/20000.

Flow Cyt: 1/5 (Abreview).

ICC/IF: 1/500 - 1/1000.

IHC-P: 1/50 - 1/100.

WB: 1/500 - 1/1000. Detects a band of approximately 167 kDa (predicted molecular weight: 167 kDa).

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

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 co-operating with the matrix metalloproteinases (MMPs).

Tissue specificity

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.

Sequence similarities

Contains 8 C-type lectin domains.

Contains 1 fibronectin type-II domain.

Contains 1 ricin B-type lectin domain.

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.

Fibronectin type-II domain mediates collagen-binding.

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

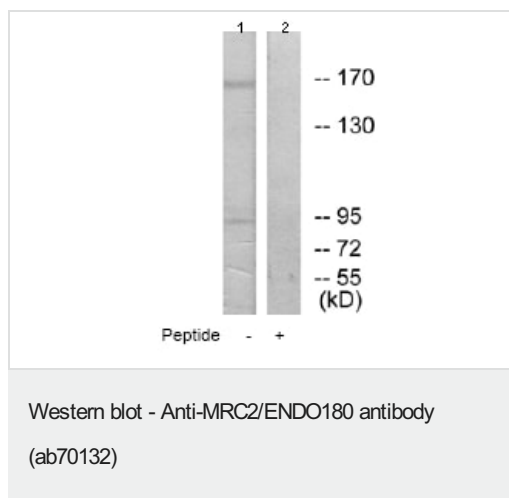
Post-translational modifications

N-glycosylated.

Cellular localization

Membrane.

Images



All lanes : Anti-MRC2/ENDO180 antibody (ab70132) at 1/500 dilution

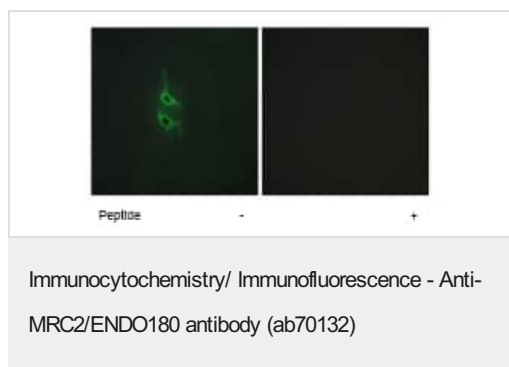
Lane 1 : 293 cell extracts

Lane 2 : 293 cell extracts with immunising peptide at 5 µg

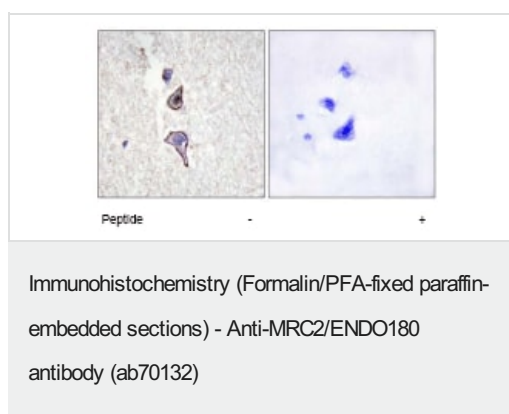
Lysates/proteins at 5 µg per lane.

Predicted band size: 167 kDa

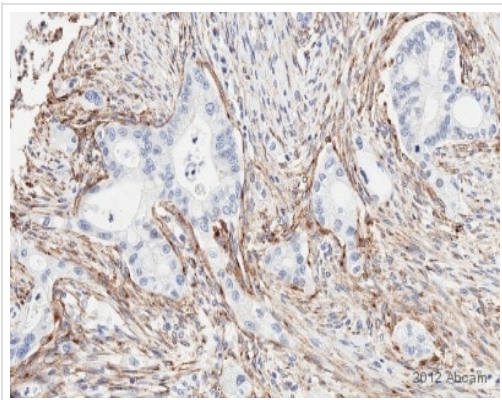
Observed band size: 167 kDa



ab70132, at a 1/500 dilution, staining MRC2/ENDO180 in HepG2 cells by Immunofluorescence, in the absence or presence of the immunising peptide.



ab70132, at a 1/50 dilution, staining MRC2/ENDO180 in paraffin embedded human brain tissue by Immunohistochemistry, in the absence or presence of the immunising peptide.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MRC2/ENDO180 antibody (ab70132)

This image is courtesy of an anonymous Abreview

ab70132 staining MRC2/ENDO180 in Human pancreatic cancer tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with Inhibitor CM for 4 minutes at 37°C; antigen retrieval was by heat mediation in Tris/Borate/EDTA buffer pH 8. Samples were incubated with primary antibody (1/50) for 32 minutes at 37°C. An undiluted HRP-conjugated Goat anti-rabbit IgG polyclonal was used as the secondary antibody.

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