

Rabbit MRC2 Polyclonal Antibody | anti-MRC2 antibody

MRC2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321105	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MRC2; Polyclonal Antibody; MRC2 Antibody; C-type lectin domain family 13 member E; C-type mannose receptor 2; CD 280; CD280; CD280 antigen; CLEC 13E; CLEC13E; ENDO 180; ENDO180; Endocytic receptor (macrophage mannose receptor family); Endocytic receptor 180; FLJ35911; KIAA0709; Macrophage mannose receptor 2; Mannose receptor C type 2; MRC 2; MRC2_HUMAN; UPAR-associated protein; UPARAP; Urokinase plasminogen activator receptor associated protein; Urokinase receptor associated protein; Urokinase receptor-associated protein; Urokinase-type plasminogen activator receptor-associated protein; anti-MRC2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MRC2 antibody detects endogenous levels of MRC2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1479
Applicable Applications for anti-MRC2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MRC2
Subcellular Location	Membrane.
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.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (82%), Bovine (100%), Horse (91%), Sheep (91%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA321105 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis on rat brain lysate using MRC2 Antibody



IHC (Immunohistochemistry)

AAA321105 at 1/100 staining human lymph node tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis on 293 cell lysate using MRC2 Antibody, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MRC2 antibody

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).

Subunit Structure: Interacts with C-terminal region of type I collagen/COL1A1 (By similarity). Interacts directly with PLAUR/UPAR and PLAU/pro-UPA to form a tri-molecular complex. Interacts with collagen V.

Post-translational Modifications: N-glycosylated.

Similarity: 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	110624774
NCBI GeneID	9902
NCBI Accession #	NP_006030.2
NCBI GenBank Nucleotide #	NM_006039.4
UniProt Accession #	Q9UBG0; Q7LGE7; Q9Y5P9; A6H8K4; D3DU08
Molecular Weight	Observed: 167 kDa Predicted: 167 kDa
NCBI Official Full Name	C-type mannose receptor 2
NCBI Official Synonym Full Names	mannose receptor C type 2
NCBI Official Symbol	MRC2
NCBI Official Synonym Symbols	CD280; UPARAP; CLEC13E; ENDO180
NCBI Protein Information	C-type mannose receptor 2

UniProt Protein Name	C-type mannose receptor 2
UniProt Gene Name	MRC2
UniProt Synonym Gene Names	CLEC13E; ENDO180; KIAA0709; UPARAP; UPAR-associated protein; Urokinase receptor-associated protein

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/mrc2-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/321105>