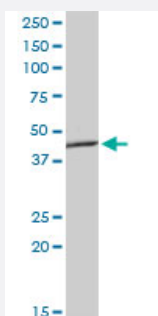


AGER monoclonal antibody (M02), clone 1C1

Catalog # H00000177-M02

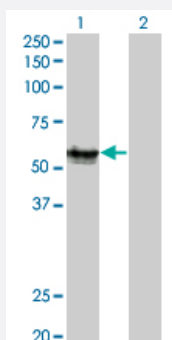
Size 100 ug

Applications



Western Blot (Tissue lysate)

AGER monoclonal antibody (M02), clone 1C1. Western Blot analysis of AGER expression in human kidney.

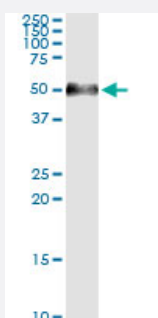


Western Blot (Transfected lysate)

Western Blot analysis of AGER expression in transfected 293T cell line by AGER monoclonal antibody (M02), clone 1C1.

Lane 1: AGER transfected lysate(42.8 KDa).

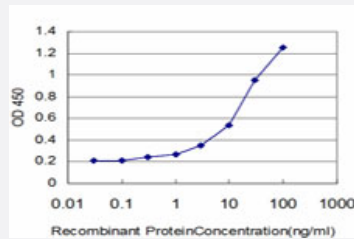
Lane 2: Non-transfected lysate.



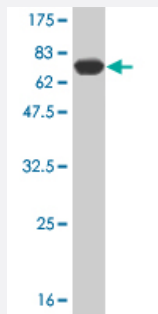
Immunoprecipitation

Immunoprecipitation of AGER transfected lysate using anti-AGER monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with AGER MaxPab rabbit polyclonal antibody.

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged AGER is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (67.76 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant AGER.
Immunogen	AGER (AAH20669.1, 23 a.a. ~ 404 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	AQNITARIGEPLVLKCKGAPKKPPQRLEWNLNTGRTEAWKVLSPQGGGPWDSVARVLPNGSLFL PAVGIQDEGIFRCQAMNRNGKETKSNYRVRVYQIPGKPEIVDSASELTAGVPNKVGTCVSEGSYP AGTLSWHLDDGKPLVPNEKGVSVEQTRRHPETGLFTLQSELMVTPARGGDP RPTFSCSFSPGL PRHRALRTAPIQPRVWEPVPLEEVQLVVEPEGGAVAPGGTVTLTCEVPAQPSPQIHWMKDGVP LPLPPSPVLILPEIGPQDQGTYSVATHSSHG PQESRAVSISIIIEPGEEGPTAGSVGGSGGLTLALAL GILGGLGTAALLIGVILWQRRQRGRGEERKAPENQEEEEERAELNQSEEPEAGESSTGGP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (78); Rat (79)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (67.76 KDa) .
Storage Buffer	In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

AGER monoclonal antibody (M02), clone 1C1. Western Blot analysis of AGER expression in human kidney.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of AGER expression in transfected 293T cell line by AGER monoclonal antibody (M02), clone 1C1.

Lane 1: AGER transfected lysate(42.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged AGER is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — AGER

Entrez GeneID

[177](#)

GeneBank Accession#

[BC020669](#)

Protein Accession#

[AAH20669.1](#)

Gene Name

AGER

Gene Alias	MGC22357, RAGE
Gene Description	advanced glycosylation end product-specific receptor
Omim ID	600214
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the immunoglobulin superfamily of cell surface molecules. It is a receptor for various molecules, including the amyloidogenic form of serum amyloid A, amyloid-beta protein, members of the S100/calgranulin superfamily and advanced glycation end products. The gene lies within the major histocompatibility complex (MHC) class III region on chromosome 6. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq]
Other Designations	OTTHUMP00000029155 OTTHUMP00000029156 advanced glycosylation end product-specific receptor RAGE3 advanced glycosylation end product-specific receptor variant sRAGE1 advanced glycosylation end product-specific receptor variant sRAGE2 receptor for advanced

Disease

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