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AGER (N) Antibody, Rabbit Polyclonal

Cat#: R0151-1

Quantity: 100 ul

Predicted | Observed M.W.: 43 | 48-58 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q15109

Background:

Advanced glycosylation end product-specific receptor (AGER) is also known as receptor for advanced glycation end products (RAGE), a member of the immunoglobulin superfamily of cell surface molecules. AGER is expressed as full-length, membrane-bound RAGE isoform 1 or as a secreted protein that lacks a transmembrane domain. The observed M.W. of AGER is 48-58 kD. It is a receptor for a number of different molecules including the amyloidogenic form of serum amyloid A, amyloid-beta protein, members of the S100/calgranulin superfamily and advanced glycation end products. It acts as mediator of both acute and chronic vascular inflammation in conditions such as atherosclerosis and in particular as a complication of diabetes. Alternative splicing yields two transcript variants encoding different isoforms.

Other Names:

AGER, RAGE, Receptor for advanced glycosylation end products, DAMA-358M23.4, MGC22357

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human AGER. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Recommended Conditions:

WB: 1:1,000-1:5,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

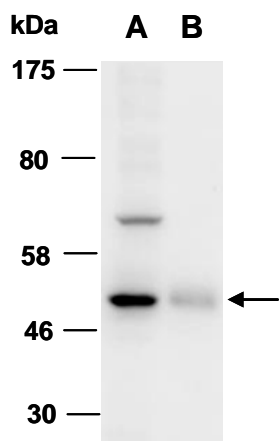


Fig 1. Western blot of total cell extracts from (A) human A549 and (B) mouse lung, using Ab (R0151-1) at RT for 2 h. The observed M.W. of AGER is 48-58 kD, including different isoforms.