

AGER Ab

Cat.#: DF6405
Size: 100ul,200ul

Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: 43kDa
Clonality: Polyclonal

Application: WB 1:500-1:2000 IHC 1:50-1:200

Reactivity: Human,Mouse,Rat

Purification: The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Specificity: AGER Ab detects endogenous levels of total AGER.

Immunogen: A synthesized peptide derived from human AGER.

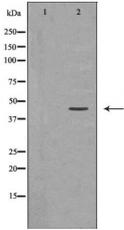
Uniprot: Q15109

Description: The receptor for advanced glycation end products (RAGE) is member of the immunoglobulin (Ig) superfamily. It can be expressed as full-length, membrane-bound RAGE isoform 1 or as a secreted sRAGE protein that lacks a transmembrane domain (1). RAGE is detected during early developmental stages and in the lung under normal physiological conditions (2) and is upregulated at sites of inflammation (3). Advanced glycation end products (AGEs) and a variety of other ligands interact with this receptor (1). Ligand binding activates full-length RAGE and initiates downstream signaling pathways that include activation of NF- κ B, which leads to production of pro-inflammatory cytokines and inflammation (4). Activation of these pathways has been implicated in various disease states including Alzheimer disease, diabetes, arthritis, and atherosclerosis (4). Soluble RAGE can competitively bind RAGE ligands in the extracellular environment, which prevents ligand interaction with full-length RAGE at the cell surface (1).

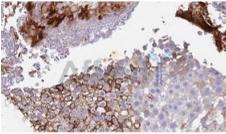
Subcellular Location: Secreted and Cell membrane.

Tissue Specificity: Endothelial cells.

Storage Condition and Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis of extracts of mouse lung, using AGER Ab. The lane on the left is treated with the antigen-specific peptide.



DF6405 at 1/100 staining Human urothelial cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

For Research Use Only. Not for use in diagnostic and therapeutic procedures. Not for resale without express authorization.