

## AGER/RAGE Ab

[References\(1\)](#) [Images\(2\)](#)

Cat.#: DF6405	Concn.: ~1mg/ml	Mol.Wt.: 43~60kDa
Size:	Source: Rabbit	Clonality: Polyclonal
Application:	WB 1:500-1:2000, IHC 1:50-1:200 *The optimal dilutions should be determined by the end user.	
Reactivity:	Human,Mouse,Rat	
Storage:	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.	
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).	
Immunogen:	A synthesized peptide derived from human AGER/RAGE, corresponding to a region within the internal amino acids.	
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 . RAGE is detected during early developmental stages and in the lung under normal physiological conditions and is upregulated at sites of inflammation . Advanced glycation end products (AGEs) and a variety of other ligands interact with this receptor . Ligand binding activates full-length RAGE and initiates downstream signaling pathways that include activation of NF- $\kappa$ B, which leads to production of pro-inflammatory cytokines and inflammation .	

**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.

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