

## DAP12 Polyclonal Antibody

<b>CATALOG #:</b>	5570R-100
<b>AMOUNT:</b>	100 µg
<b>LOT #:</b>	_____
<b>HOST:</b>	Rabbit
<b>IMMUNOGEN:</b>	Synthetic peptide corresponding to residues surrounding amino acids 94 of mouse DAP-12 (ID# BV-C45)
<b>SPECIES REACTIVITY:</b>	Human, mouse, rat

### FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-DAP12 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

### STORAGE CONDITIONS:

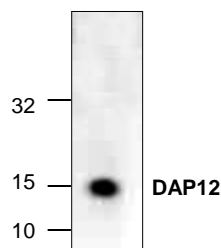
Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

### DESCRIPTION:

DAP12 (KARAP) is a natural killer (NK) cell-expressed cell surface receptor and belongs to the immunoglobulin and C-type lectin superfamily. Unlike other members of this family which possess immunoreceptor tyrosine-based inhibitory motifs (ITIM), DAP12 contains an immunoreceptor tyrosine-based activation motif (ITAM) in its cytoplasmic domain and is present as a disulphide-bonded homodimer. Crosslinking of DAP 12-KIR complexes (membrane glycoproteins of the killer-cell inhibitory receptor family without an ITIM in their cytoplasmic domain) results in cellular activation.

### APPLICATION AND SPECIFICITY:

The antibody can be used for Western blot analysis (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Blocking peptide (Cat.# 5570RBP-50) is available separately.



**Cat.#: 5570R-100**  
Western blot analysis of DAP12 expression in rat kidney tissue lysate.

**FOR RESEARCH USE ONLY! Not to be used on humans.**

### RELATED PRODUCTS:

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