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# NCR3 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22356a

## Product Information

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| **Application** | WB, E |
| **Primary Accession** | O14931 |
| **Other Accession** | P61484 |
| **Reactivity** | Human |
| **Predicted** | Human |
| **Host** | Rabbit |
| **Clonality** | polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB57884 |
| **Calculated MW** | 21593 |

## Additional Information

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| **Gene ID** | 259197 |
| **Other Names** | Natural cytotoxicity triggering receptor 3, Activating natural killer receptor p30, Natural killer cell p30-related protein, NK-p30, NKp30, CD337, NCR3, 1C7, LY117 |
| **Target/Specificity** | This NCR3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 31-65 amino acids from the human region of human NCR3. |
| **Dilution** | WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | NCR3 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | NCR3 ( HGNC:19077) |
| **Synonyms** | 1C7, LY117 |

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| **Function** | Cell membrane receptor of natural killer/NK cells that is activated by binding of extracellular ligands including BAG6 and NCR3LG1. Stimulates NK cells cytotoxicity toward neighboring cells producing these ligands. It controls, for instance, NK cells cytotoxicity against tumor cells. Engagement of NCR3 by BAG6 also promotes myeloid dendritic cells (DC) maturation, both through killing DCs that did not acquire a mature phenotype, and inducing the release by NK cells of TNFA and IFNG which promote DC maturation. |
| **Cellular Location** | Cell membrane; Single-pass type I membrane protein |
| **Tissue Location** | Selectively expressed by all resting and activated NK cells and weakly expressed in spleen. {ECO:0000269\|PubMed:10562324, ECO:0000269\|Ref.2} |

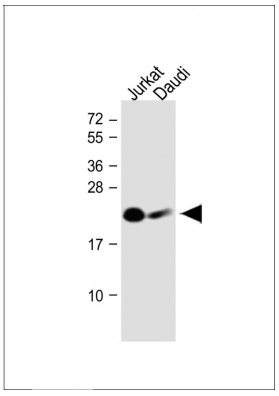
## Background

Cytotoxicity-activating receptor that contributes to the increased efficiency of activated natural killer (NK) cells to mediate tumor cell lysis. Engagement of NCR3 by BAG6 also promotes dendritic cell (DC) maturation, both through killing those DCs that did not properly acquire a mature phenotype, and inducing NK cells to release TNFA and IFNG, which promotes DC maturation.

## References


Pende D.,et al.J. Exp. Med. 190:1505-1516(1999).
Sato M.,et al.Submitted (FEB-2001) to the EMBL/GenBank/DDBJ databases.
Neville M.J.,et al.J. Immunol. 162:4745-4754(1999).
Nalabolu S.R.,et al.Genomics 31:215-222(1996).
Xie T.,et al.Genome Res. 13:2621-2636(2003).


## Images




All lanes : Anti-NCR3 Antibody (N-Term) at 1:1000 dilution Lane 1: Jurkat whole cell lysate Lane 2: Daudi whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 22 kDa Blocking/Dilution buffer: 5% NFDM/TBST.