

## N2DL3 Polyclonal Antibody

|                              |   |
|------------------------------|---|
| <b>Catalog No :</b>          | YN1943  |
| <b>Reactivity :</b>          | Human;Rat;Mouse;  |
| <b>Applications :</b>        | WB;ELISA  |
| <b>Target :</b>              | N2DL3   |
| <b>Fields :</b>              | >>Natural killer cell mediated cytotoxicity   |
| <b>Gene Name :</b>           | ULBP3 N2DL3 RAET1N  |
| <b>Protein Name :</b>        | NKG2D ligand 3 (N2DL-3) (NKG2DL3) (ALCAN-gamma) (Retinoic acid early transcript 1N)                                   |
| <b>Human Gene Id :</b>       | 79465   |
| <b>Human Swiss Prot No :</b> | Q9BZM4  |
| <b>Immunogen :</b>           | Synthesized peptide derived from part region of human protein   |
| <b>Specificity :</b>         | N2DL3 Polyclonal Antibody detects endogenous levels of protein.   |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.  |
| <b>Source :</b>              | Polyclonal, Rabbit,IgG  |
| <b>Dilution :</b>            | WB 1:500-2000 ELISA 1:5000-20000  |
| <b>Purification :</b>        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| <b>Concentration :</b>       | 1 mg/ml   |
| <b>Storage Stability :</b>   | -15°C to -25°C/1 year(Do not lower than -25°C)  |
| <b>Observed Band :</b>       | 26kD  |

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|-------------------------------|--|
| <b>Cell Pathway :</b>         | Natural killer cell mediated cytotoxicity;   |
| <b>Background :</b>           | The protein encoded by this gene is one of several related ligands of the KLRK1/NKG2D receptor, which is found in primary NK cells. Binding of these ligands to the receptor activates several signal transduction pathways, including the JAK2, STAT5, and ERK pathways. The encoded protein is expressed solubly and on the surface of many tumor cells, making it potentially an important target for therapeutics. [provided by RefSeq, Nov 2015],   |
| <b>Function :</b>             | function:Ligand for the NKG2D receptor, together with at least ULBP1 and ULBP2. ULBPs activate multiple signaling pathways in primary NK cells, resulting in the production of cytokines and chemokines. Binding of ULBPs ligands to NKG2D induces calcium mobilization and activation of the JAK2, STAT5, ERK and PI3K kinase/Akt signal transduction pathway. Has lower affinity for NKG2D compared to ULBP1 and ULBP2 and induces weaker signaling responses than does ULBP2 or ULBP1.,miscellaneous:The region from chromosome 6q24.1-6q25.3 contains as many as 10 ULBP-related sequences, many of which are pseudogenes.,miscellaneous:The ULBPs are unusual members of the extended MHC class I superfamily, because they do not contain the alpha 3 domain and they lack a transmembrane domain. They are unlikely to present peptides.,similarity:Belongs to the MHC class I family.,subunit:Does not interact with the CMV |
| <b>Subcellular Location :</b> | Cell membrane ; Lipid-anchor, GPI-anchor .   |
| <b>Expression :</b>           | PCR rescued clones,Testis,   |
| <b>Sort :</b>                 | 20276  |
| <b>No4 :</b>                  | 1  |

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