bs-2411R **[Primary Antibody]**

NKG2A Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 16641

Target: NKG2A

Immunogen: KLH conjugated synthetic peptide derived from mouse NKG2A: 8-100/244.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Natural killer (NK) cells are lymphocytes that can mediate lysis of certain tumor cells and virus-infected cells without previous activation. They can also regulate specific humoral and cell-mediated immunity. The protein encoded by this gene belongs to the killer cell lectin-like receptor family, also called NKG2 family, which is a group of transmembrane proteins preferentially expressed in NK cells. This family of proteins is characterized by the type II membrane orientation and the presence of a C-type lectin domain. This protein forms a complex with another family member, KLRD1/CD94, and has been implicated in the recognition of the MHC class I HLA-E molecules in NK cells. The genes of NKG2 family members form a killer cell lectin-like receptor gene cluster on chromosome 12. Four alternatively spliced transcript variants encoding two distinct isoforms have been observed. [provided by RefSeq, Jul 2008]

Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Mouse, Rat)

Predicted MW.: 28 kDa

Subcellular Location: Cell membrane

SELECTED CITATIONS

- **[IF=15.304]** Yao Lei. et al. Phytochemical natural killer cells reprogram tumor microenvironment for potent immunotherapy of solid tumors. BIOMATERIALS. 2022 Jun;:121635 WB,IF,FCM ;Mouse. 10.1016/j.biomaterials.2022.121635
- **[IF=6.1]** Hall, L. J., et al. "Natural killer cells protect mice from DSS-induced colitis by regulating neutrophil function via the NKG2A receptor." Mucosal Immunology 6.5 (2013): 1016-1026. Other ;="Mouse". 23340823
- **[IF=2.37]** Zou, Z., et al. "The ANXA1 released from intestinal epithelial cells alleviate DSS-induced colitis by improving NKG2A expression of Natural Killer cells."Biochemical and Biophysical Research Communications (2016). Other ;="Mouse". 27435504
- **[IF=preprint]** Felicia Lazure. et al.Aging directs the differential evolution of KRAS-driven lung adenocarcinoma.biorxiv.2025 Jan 24:2025.01.20.633951. IF ;Mouse. 39896625