

DAP12 Rabbit mAb

Catalog No: #49944



Package Size: #49944-1 50ul #49944-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

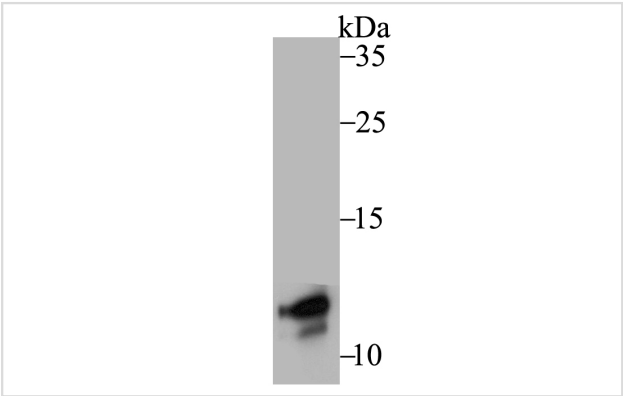
Description

Product Name	DAP12 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG38-70
Purification	ProA affinity purified
Applications	WB,IHC,FC
Species Reactivity	Hu
Immunogen Description	Synthetic peptide within human DAP12 aa 60-100.
Other Names	DAP 12 antibody   DAP12 antibody   DNAX activation protein 12 antibody   DNAX-activation protein 12 antibody   KAR-associated protein antibody   KARAP antibody   Killer activating receptor associated protein antibody   Killer-activating receptor-associated protein antibody   PLOSL antibody   TYOBP_HUMAN antibody   TYRO protein tyrosine kinase binding protein antibody   TYRO protein tyrosine kinase-binding protein antibody   TYROBP antibody
Accession No.	Swiss-Prot#:O43914
Uniprot	O43914
GeneID	7305;
Calculated MW	12 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

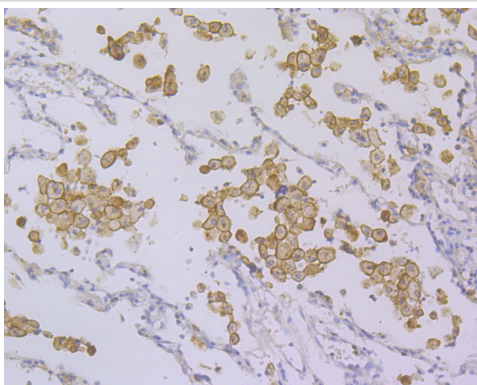
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200FC: 1:50-1:100

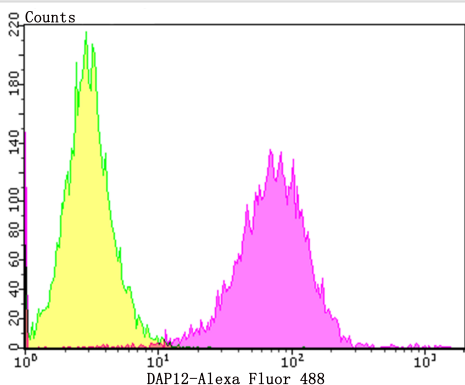
Images



Western blot analysis of DAP12 on THP-1 cell using anti-DAP12 antibody at 1/500 dilution.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-DAP12 antibody. Counter stained with hematoxylin.



Flow cytometric analysis of K562 cells with DAP12 antibody at 1/100 dilution (purple) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

## Background

Natural killer (NK) cells are regulated by stimulatory and inhibitory signals from a variety of receptors. Three main receptor families are responsible for NK cells recognition of MHC I molecules, including Ly-49, CD94/NKG2 and KIR (killer-cell inhibitory receptor). DAP12 is a phosphoprotein that is involved in the activation of NK cells. This protein interacts with membrane glycoproteins of the KIR family, resulting in cellular activation. DAP12 also binds to CD94/NKG2C, an activating NK cell receptor belonging to the C-type lectin superfamily. Additional proteins that bind to DAP12 include Ly-49D and Ly-49H, which associate with DAP12 in the plasma membrane. Phosphorylated DAP12 binds to ZAP-70 and Syk, suggesting that the activation pathway may be similar to that of the T and B cell antigen receptors.

## References

Note: This product is for in vitro research use only