

Rabbit anti-Human LY6D Polyclonal Antibody | anti-LY6D antibody

Anti-LY6D Antibody Picoband

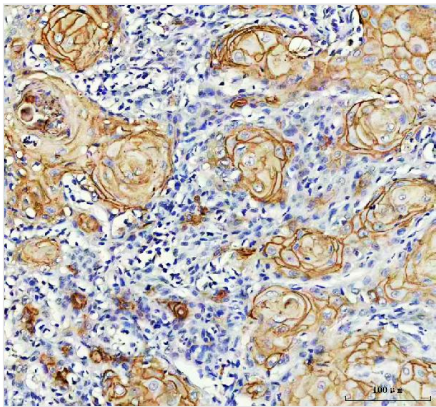
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127604	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

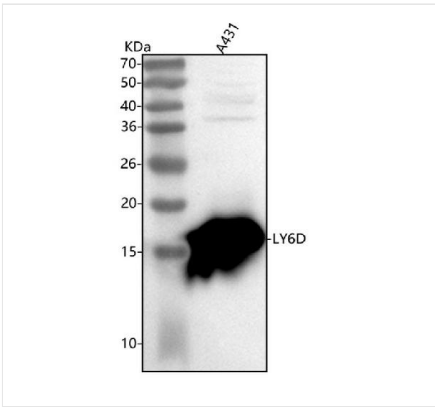
LY6D; Polyclonal Antibody; Anti-LY6D Antibody Picoband; anti-LY6D antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-LY6D antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E coli-derived human LY6D recombinant protein (Position: L21-L111). Human LY6D shares 60.4% amino acid (aa) sequence identity with mouse LY6D.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)
Figure 2. IHC analysis of LY6D using anti-LY6D antibody (AAA127604). LY6D was detected in a paraffin-embedded section of human skin cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-LY6D Antibody (AAA127604) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)
Figure 1. Western blot analysis of LY6D using anti-LY6D antibody (AAA127604). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human A431 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-LY6D antigen affinity purified polyclonal antibody (#AAA127604) at 0.25ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for LY6D at approximately 16 kDa. The expected band size for LY6D is at 13 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-LY6D antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-LY6D antibody	Primary Antibodies
References	1. Brakenhoff, R. H., Gerretsen, M., Knippels, E. M. C., van Dijk, M., van Essen, H., Weghuis, D. O., Sinke, R. J., Snow, G. B., van Dongen, G. A. M. S. The human E48 antigen, highly homologous to the murine Ly-6 antigen ThB, is a GPI-anchored molecule apparently involved in keratinocyte cell-cell adhesion. J. Cell Biol. 129: 1677-1689, 1995.2. Brakenhoff, R. H., van Dijk, M., Rood-Knippels, E. M. C., Snow, G. B. A gain of novel tissue specificity in the human Ly-6 gene E48. J. Immun. 159: 4879-4886, 1997.3. Inlay, M. A., Bhattacharya, D., Sahoo, D., Serwold, T., Seita, J., Karsunky, H., Plevritis, S. K., Dill, D. L., Weissman, I. L. Ly6d marks the earliest stage of B-cell specification and identifies the branchpoint between B-cell and T-cell development. Genes Dev. 23: 2376-2381, 2009. Note: Erratum: Genes Dev. 27: 2063 only, 2013.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11321575
NCBI GeneID	8581
NCBI Accession #	NP_003686
NCBI GenBank Nucleotide #	NM_003695.2
UniProt Accession #	Q14210; O43783; Q6GTV9; Q8TBD4; Q92933; B2R5F1; D3DWJ0
Molecular Weight	10.8 kDa (101aa), confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)
NCBI Official Full Name	lymphocyte antigen 6D
NCBI Official Synonym Full Names	lymphocyte antigen 6 family member D

NCBI Official Symbol	LY6D
NCBI Official Synonym Symbols	E48; Ly-6D
NCBI Protein Information	lymphocyte antigen 6D
UniProt Protein Name	Lymphocyte antigen 6D
UniProt Gene Name	LY6D
UniProt Synonym Gene Names	E48; Ly-6D

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ly6d-antibody-immunohistochemistry-western-blot-elisa/127604>