Datasheet for ABIN6143391
anti-LY6E antibody (AA 21-101)
2 Images

## Overview

| Quantity: | $100 \mu \mathrm{~L}$ |
| :--- | :--- |
| Target: | LY6E |
| Binding Specificity: | AA 21-101 |
| Reactivity: | Human |
| Host: | Polyclonal |
| Clonality: | This LY6E antibody is un-conjugated |
| Conjugate: | Western Blotting (WB), Immunofluorescence (IF) |
| Application: |  |

Product Details

| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 21-101 of |
| :--- | :--- |
| human LY6E (NP_002337.1). |  | | Sequence: | LMCFSCLNQK SNLYCLKPTI CSDQDNYCVT VSASAGIGNL VTFGHSLSKT CSPACPIPEG <br> VNVGVASMGI SCCQSFLCNF S |
| :--- | :--- |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse |
| Characteristics: |  |
| Target Details |  |
| Target: | LY6E |

Target Details

| Alternative Name: | LY6E (LY6E Products) |
| :---: | :---: |
| Background: | GPI-anchored cell surface protein that regulates T-lymphocytes proliferation, differentiation, and activation. Regulates the T-cell receptor (TCR signaling by interacting with component CD3Z/CD247 at the plasma membrane, leading to CD3Z/CD247 phosphorylation modulation (By similarity. Restricts the entry of human coronaviruses, including SARS-CoV, MERS-CoV and SARS-CoV-2, by interfering with spike protein-mediated membrane fusion. Plays also an essential role in placenta formation by acting as the main receptor for syncytin-A (SynA. Therefore, participates in the normal fusion of syncytiotrophoblast layer I (SynT-I and in the proper morphogenesis of both fetal and maternal vasculatures within the placenta. May also act as a modulator of nicotinic acetylcholine receptors (nAChRs activity (By similarity.,LY6E,RIG-E,RIGE,SCA-2,SCA2,TSA-1,LY6E |
| Molecular Weight: | 13 kDa |
| Gene ID: | 4061 |
| UniProt: | Q16553 |
| Pathways: | Hormone Transport |
| Application Details |  |
| Application Notes: | WB,1:1000-1:2000,IF,1:50-1:200 |
| Comment: | HIGH QUALITY |
| Restrictions: | For Research Use only |
| Handling |  |
| Format: | Liquid |
| Buffer: | PBS with 0.02 \% sodium azide, 50 \% glycerol, pH 7.3. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | $-20^{\circ} \mathrm{C}$ |
| Storage Comment: | Store at $-20^{\circ} \mathrm{C}$. Avoid freeze / thaw cycles. |



## Immunofluorescence

Image 1. Immunofluorescence analysis of L929 cells using LY6E Rabbit pAb (ABIN6131998, ABIN6143391, ABIN6143392 and ABIN6214390) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

## Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using LY6E antibody.

