

LY6E/Stem cell antigen 1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57088**Specification****LY6E/Stem cell antigen 1 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC
Primary Accession	Q16553
Host	Rabbit
Clonality	Polyclonal
Calculated MW	13507

LY6E/Stem cell antigen 1 Polyclonal Antibody - Additional Information**Gene ID** 4061**Other Names**

Lymphocyte antigen 6E, Ly-6E, Retinoic acid-induced gene E protein, RIG-E, Stem cell antigen 2, SCA-2, Thymic shared antigen 1, TSA-1, LY6E (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=6727 target="_blank">HGNC:6727), 9804, RIG-E, SCA2, TSA1

Dilution

WB~1:1000<br \>IHC-P~N/A<br \>IHC-F~N/A<br \>IF~1:50~200<br \>ICC~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

LY6E/Stem cell antigen 1 Polyclonal Antibody - Protein Information**Name** LY6E ([HGNC:6727](#))**Synonyms** 9804, RIG-E, SCA2, TSA1**Function**

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 (PubMed:32641482). Also plays 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).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q64253}; Lipid-anchor, GPI-anchor {ECO:0000250|UniProtKB:Q64253}

Tissue Location

Widely expressed, predominantly in liver, kidney, ovary, spleen and peripheral blood Leukocytes

LY6E/Stem cell antigen 1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LY6E/Stem cell antigen 1 Polyclonal Antibody - Images