TDE1 Polyclonal Antibody
Catalog # AP72774

Specification

TDE1 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IF**
Primary Accession	[Q13530](#)
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**

TDE1 Polyclonal Antibody - Additional Information

Gene ID 10955

Other Names
SERINC3; DIFF33; TDE1; SBBI99; Serine incorporator 3; Tumor differentially expressed protein 1

Dilution
WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
IHC-P~~N/A
IF~~1:50~200

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

TDE1 Polyclonal Antibody - Protein Information

Name SERINC3 ([HGNC:11699](#))

Function
Restriction factor required to restrict infectivity of lentiviruses, such as HIV-1: acts by inhibiting an early step of viral infection. Impairs the penetration of the viral particle into the cytoplasm (PubMed:26416733, PubMed:26416734). Non-ATP-dependent, non- specific lipid transporter for phosphatidylserine, phosphatidylcholine, and phosphatidylethanolamine. Functions as a scramblase that flips lipids in both directions across the membrane. Phospholipid scrambling results in HIV-1 surface exposure of phosphatidylserine and loss of membrane asymmetry, which leads to changes in HIV-1 Env conformation and loss of infectivity (PubMed:37474505).

Cellular Location
Cell membrane; Multi-pass membrane protein. Golgi apparatus membrane

{ECO:0000250|UniProtKB:Q9QZI9}; Multi-pass membrane protein
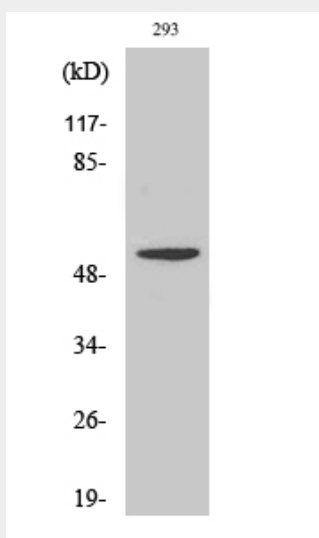{ECO:0000250|UniProtKB:Q9QZI9}

Tissue Location
Ubiquitous. Expression levels were increased fourfold to tenfold in lung tumor tissues compared
with normal pulmonary tissues.

TDE1 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 Cytomety
  - Cell Culture

TDE1 Polyclonal Antibody - Images

Western Blot analysis of various cells using TDE1 Polyclonal Antibody

TDE1 Polyclonal Antibody - Background

  Restriction factor required to restrict infectivity of lentiviruses, such as HIV-1: acts by inhibiting an
early step of viral infection. Impairs the penetration of the viral particle into the cytoplasm
(PubMed:26416733, PubMed:26416734).