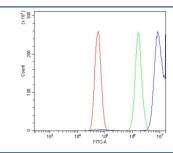


SGT1 Antibody / ECD (RQ6474)

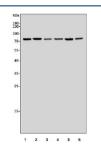
Catalog No.	Formulation	Size
RQ6474	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O95905
Localization	Cytoplasmic, nuclear
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This SGT1 antibody is available for research use only.



Flow cytometry testing of human U-87 MG cells with SGT1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SGT1 antibody.



Western blot testing of 1) mouse ANA-1, 2) human HL60, 3) human U-2 OS, 4) human U-87 MG, 5) human K562 and 6) human HepG2 cell lysate with SGT1 antibody. Predicted molecular weight ~73 kDa.

Description

Protein SGT1 is a protein that in humans is encoded by the ECD gene. Regulator of p53/TP53 stability and function. Inhibits MDM2-mediated degradation of p53/TP53 possibly by cooperating in part with TXNIP. May be involved transcriptional regulation. In vitro has intrinsic transactivation activity enhanced by EP300. May be a transcriptional activator required for the expression of glycolytic genes. Involved in regulation of cell cycle progression. Proposed to disrupt Rb-E2F binding leading to transcriptional activation of E2F proteins. The cell cycle -regulating function may depend on its RUVBL1-mediated association with the R2TP complex. May play a role in regulation of pre-mRNA splicing.

Application Notes

Optimal dilution of the SGT1 antibody should be determined by the researcher.

Immunogen

An E. coli-derived human protein (amino acids L50-N632) was used as the immunogen for the SGT1 antibody.

Storage

After reconstitution, the SGT1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.