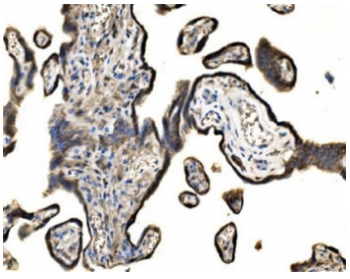
SND1 Antibody / Staphylococcal nuclease domain-containing protein 1 antibody / TDRD11 (RQ6439)

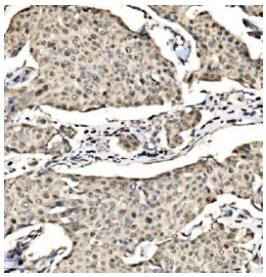
Catalog No.	Formulation	Size
RQ6439	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

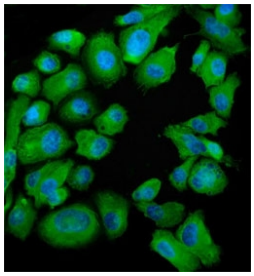
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q7KZF4
Localization	Cytoplasmic, nuclear
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence (FFPE) : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This SND1 antibody is available for research use only.



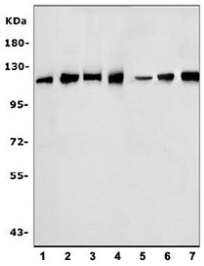
IHC staining of FFPE human placental tissue with SND1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



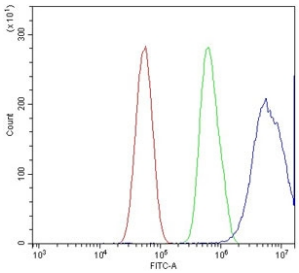
IHC staining of FFPE human breast cancer tissue with SND1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human PC-3 cells with SND1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) HeLa, 2) Raji, 3) U-87 MG, 4) HUVEC, 5) rat stomach, 6) rat pancreas and 7) mouse stomach tissue lysate with SND1 antibody. Predicted molecular weight ~102 kDa.



Flow cytometry testing of human U-87 MG cells with SND1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SND1 antibody.

Description

Staphylococcal nuclease domain-containing protein 1 also known as 100 kDa coactivator or Tudor domain-containing protein 11 (TDRD11) is a protein that in humans is encoded by the SND1 gene. This gene encodes a transcriptional co-activator that interacts with the acidic domain of Epstein-Barr virus nuclear antigen 2 (EBNA 2), a transcriptional activator that is required for B-lymphocyte transformation. Other transcription factors that interact with this protein are signal transducers and activators of transcription, STATs. This protein is also thought to be essential for normal cell growth. A similar protein in mammals and other organisms is a component of the RNA-induced silencing complex (RISC).

Application Notes

Optimal dilution of the SND1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids Q20-D204) was used as the immunogen for the SND1 antibody.

Storage

After reconstitution, the SND1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at

-20oC. Avoid repeated freezing and thawing.