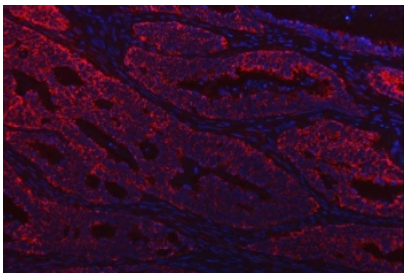
Thiosulfate sulfurtransferase Antibody / TST (RQ7702)

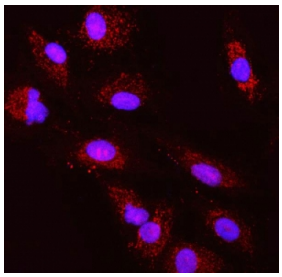
Catalog No.	Formulation	Size
RQ7702	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

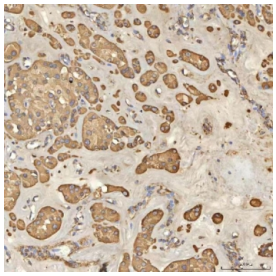
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q16762
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence : 5ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This Thiosulfate sulfurtransferase antibody is available for research use only.



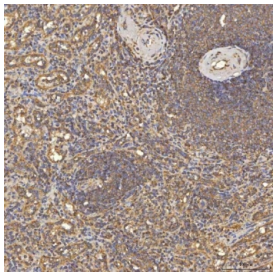
Immunofluorescent staining of FFPE human lung cancer tissue with Thiosulfate sulfurtransferase antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH8 EDTA buffer for 20 min.



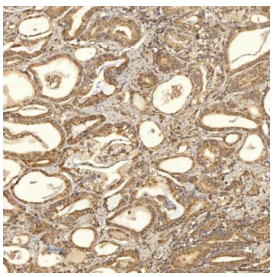
Immunofluorescent staining of FFPE human A549 cells with Thiosulfate sulfurtransferase antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



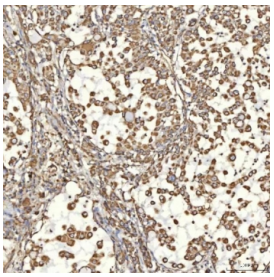
IHC staining of FFPE human right renal oncocytoma tissue with Thiosulfate sulfurtransferase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



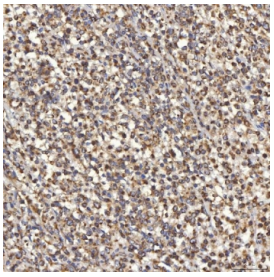
IHC staining of FFPE human spleen tissue with Thiosulfate sulfurtransferase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



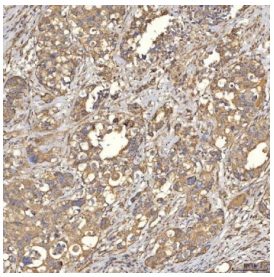
IHC staining of FFPE human prostate adenocarcinoma tissue with Thiosulfate sulfurtransferase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



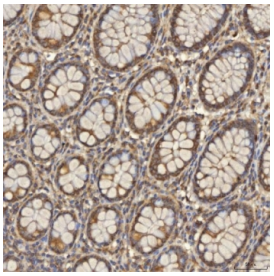
IHC staining of FFPE human lung adenocarcinoma tissue with Thiosulfate sulfurtransferase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



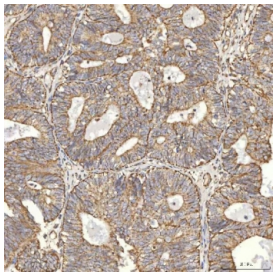
IHC staining of FFPE human diffuse large B-cell lymphoma tissue with Thiosulfate sulfurtransferase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



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



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



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

Description

This is one of two neighboring genes encoding similar proteins that each contain two rhodanese domains. The encoded protein is localized to the mitochondria and catalyzes the conversion of thiosulfate and cyanide to thiocyanate and sulfite. In addition, the protein interacts with 5S ribosomal RNA and facilitates its import into the mitochondria. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the Thiosulfate sulfurtransferase antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids M1-D220) was used as the immunogen for the Thiosulfate sulfurtransferase antibody.

Storage

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