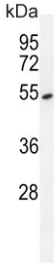
Tyrosyl-DNA phosphodiesterase 2 Antibody / TDP2 / ETS1 associated protein II (F54585)

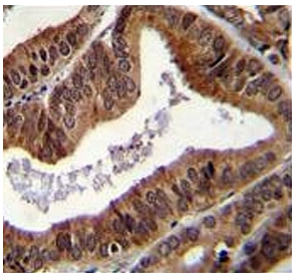
Catalog No.	Formulation	Size
F54585-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54585-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

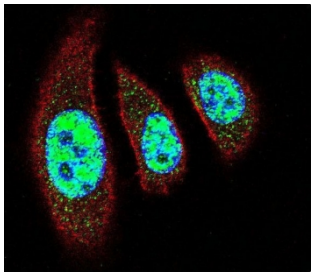
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	O95551
Localization	Nuclear, cytoplasmic
Applications	Flow Cytometry : 1:25 (1x10e6 cells) Immunofluorescence : 1:25 Immunohistochemistry (FFPE) : 1:25 Western Blot : 1:500-1:2000
Limitations	This Tyrosyl-DNA phosphodiesterase 2 antibody is available for research use only.



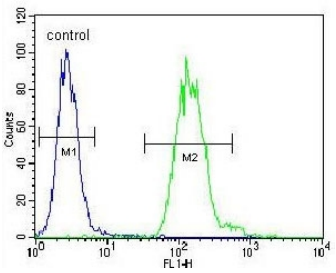
Western blot testing of human A549 cell lysate with Tyrosyl-DNA phosphodiesterase 2 antibody. Expected molecular weight: 41-51 kDa.



IHC testing of FFPE human prostate carcinoma tissue with Tyrosyl-DNA phosphodiesterase 2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of human A549 cells with Tyrosyl-DNA phosphodiesterase 2 antibody (green), DAPI nuclear stain (blue) and anti-Actin (red).



Flow cytometry testing of human A549 cells with Tyrosyl-DNA phosphodiesterase 2 antibody; Blue=isotype control, Green= Tyrosyl-DNA phosphodiesterase 2 antibody.

Description

This gene encodes a member of a superfamily of divalent cation-dependent phosphodiesterases. The encoded protein associates with CD40, tumor necrosis factor (TNF) receptor-75 and TNF receptor associated factors (TRAFs), and inhibits nuclear factor-kappa-B activation. This protein has sequence and structural similarities with APE1 endonuclease, which is involved in both DNA repair and the activation of transcription factors.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Tyrosyl-DNA phosphodiesterase 2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 246-272 from the human protein was used as the immunogen for the Tyrosyl-DNA phosphodiesterase 2 antibody.

Storage

Aliquot the Tyrosyl-DNA phosphodiesterase 2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.