SICGEN ANTIBODIES

Product Data Sheet

Catalogue No.	Qty:
AB181550-100	250 µg

Anti-tdTomato, DyLight®550

Source: Goat

General description: Goat polyclonal antibody to tdTomato (red fluorescent protein) conjugated to DyLight® 550. tdTomato protein is derived from DsRed, an engineered red fluorescent protein from so-called disc corals of the genus Discosoma. It is a genetic fusion of two copies of the dTomato gene, which has been specifically designed for low aggregation. It´s brightness and emission wavelength, makes it ideal for live animal research.

Alternative names: Cherry fluorescent protein, DsRed, mCherry, red fluorescent protein, RFP antibody.

Form: Polyclonal antibody supplied as a 100 µl (2.5 mg/ml) aliquot in PBS, 20% glycerol, 0.05% ProClin® and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

Immunogen: Purified recombinant peptide produced in E. coli.

Specificity: In 293HEK cells transfected with cds plasmid detects a band of 55 kDa by Western blot. It also detects tdTomato in brain sections by IHC. This antibody is specific for tdTomato and mCherry proteins. It does not cross-react to GFP (green fluorescent protein).

Reactivity: Reacts with Transfected cells proteins

Sample	WB	IHC (F)	IHC (P)	IF	ELISA	IEM
Transfected cells	+++	+++	ND	+++	ND	ND

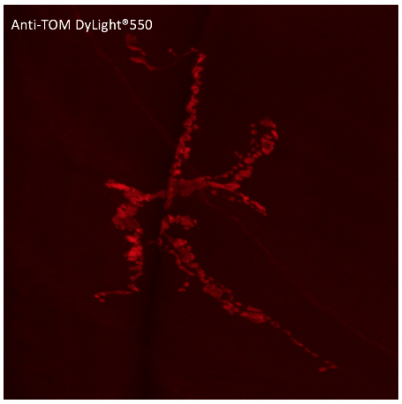
+++ excellent, ++ good, + poor, ND not determined

Usage:

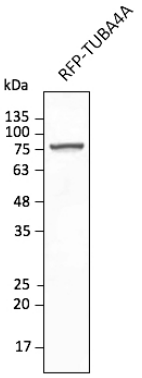
WB:	1:500-1:2,000
IHC (F):	1:50-1:1,000
IF:	1:50-1:500

Storage: Store at -20 C for long-term storage. Store at 2-8 C for up to one month.

Special instructions: Avoid freeze/thaw cycles..



Immunofluorescence in Drosophila larvae expressing tdTomato fusion protein in neuronsusing anti-tdTomato conjugated to DyLight®550 at1/500;



Anti-tdTomato Ab conjugated to DyLight® 550 at 1/2,500 dilution using HEK293 transfected cell lysates at 50 µg per lane;

For research use only, not for diagnostic use

SICGEN's Proprietary Immunogen Policy

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.