

Catalogue No.

AB181488-100

Qty:

250 µg

Anti-tdTomato, DyLight®488

Source: Goat

General description: Goat polyclonal antibody to tdTomato (red fluorescent protein) conjugated to DyLight® 488. 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:

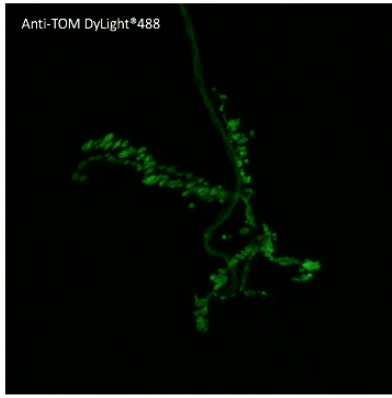
WB: 1:500-1:2,000

IHC (F): 1:50-1:1,000

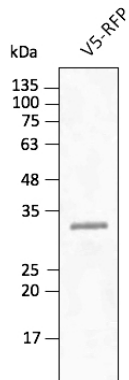
IF: 1:50-1:500

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 neurons using anti-tdTomato conjugated to DyLight®488 at 1/500;



Anti-tdTomato Ab conjugated to DyLight® 488 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.