SICGEN ANTIBODIES

Product Data Sheet

Catalogue No.	Qty:
AB7358-200	400 µg

Anti-tdTomato

Source: Goat

General description: Goat polyclonal antibody to tdTomato (red fluorescent protein). 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 is a ~54 kDa protein that is optimally excited at a 554 nm and has a maximum of emission at 581 nm. 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 200 µl (2 mg/ml) aliquot in NaHCO3 100 mM pH 9. This antibody is epitope-affinity purified from goat antiserum and does not contain preservatives.

Immunogen: Purified recombinant peptide produced in E. coli.

Specificity: In 293HEK cells transfected with cds plasmid detects a band of 54 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	+++

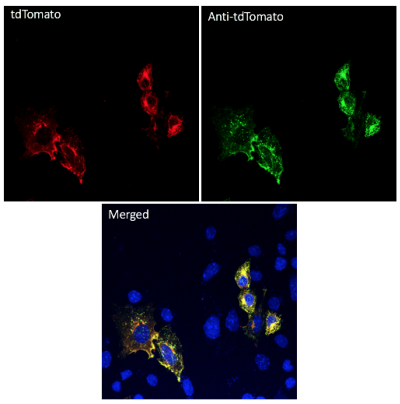
+++ excellent, ++ good, + poor, ND not determined

Usage:

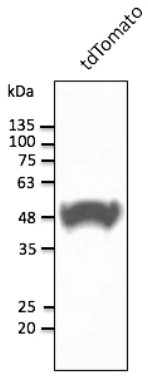
WB:	1:500-1:5,000
IHC (F):	1:50-1:500
IHC (P):	1:50-1:500
IF:	1:50-1:500
IEM:	1:50-1:500

Storage: Store at -20 C for long-term storage.

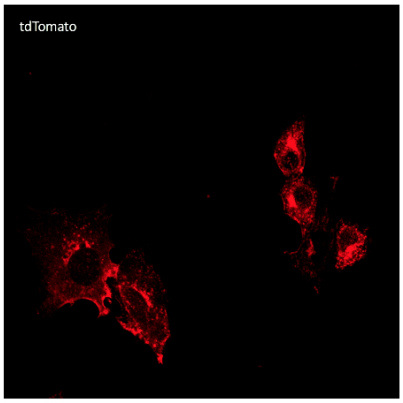
Special instructions: N/A.



Immunofluorescence – anti-tdTomato Ab using hCEC cells transduced with tdTomato-CAV1; cells were fixed with methanol and anti-tdTomato at 1/250;



Anti-tdTomato Ab at 1/2,500 dilution using HEK293 transfected cell lysates at 50 µg per lane; rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;



Immunofluorescence – anti-tdTomato Ab using hCEC cells transduced with tdTomato-CAV1; cells were fixed with methanol and anti-tdTomato at 1/250;

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.