



Product Data Sheet

001 Rev1 Jan 2012 by JR

Catalogue No. AB8181-200

Qty: 600 µg (3 mg/ml)

tdTomato Polyclonal Antibody

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'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 (3 mg/ml) aliquot in PBS, 20% glycerol 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 (AB8181) is specific for tdTomato and mCherry proteins. It does not cross-react to GFP (green fluorescent protein).

Reactivity: Reacts against tdTomato, mCherry, red fluorescent protein (DsRed) from so-called disc corals of *Discosoma* species.

Sample	Western blot	Immuno- fluorescence	Histochemistry (paraffin)	Histochemistry (frozen)
Transfected cells	+++	+++	+++	+++

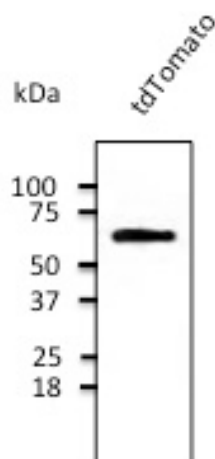
+++ excellent, ++ good, + poor, ND not determined

Usage: Western blot 1:500-1:2,000
Immunofluorescence 1:50-1:500
Immunohistochemistry (paraffin) 1:50-1:500
Immunohistochemistry (frozen) 1:50-1:500

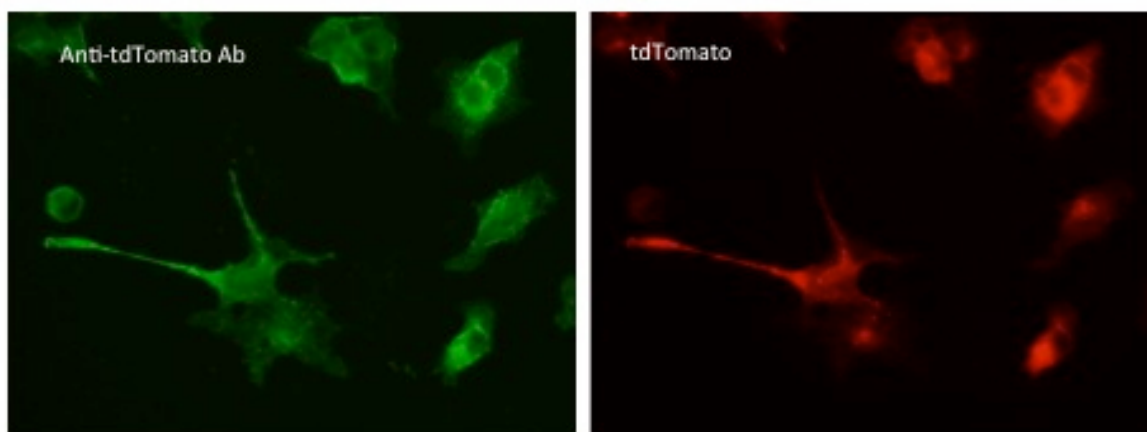
Storage: Store at -20 C for long-term storage. Store at 2-8 C for up to one month.

Special instructions: Avoid freeze/thaw cycles.

References:



Anti-tdTomato Ab (AB8181) at 1/1,000 dilution;
293HEK cells transfected with cDNA; lysates at 50 µg
per lane; rabbit polyclonal to goat IgG (HRP) at
1/10,000 dilution;



Immunofluorescence – anti-tdTomato Ab (AB8181) in 293HEK cells transfected with cDNA at 1/50
dilution; cells were fixed with 4% of PFA;

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SICGEN's Proprietary Immunogen Policy

SICGEN-Research and Development in Biotechnology Ltd
Estrada da Alagoa 369, 1ªA, 2775-717 Carcavelos – PORTUGAL
www.sicgen.net

Tel: +351 214582804

Fax: +351 214582189
information@sicgen.pt



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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.