

Product Datasheet

anti-tdTomato (orb182397)

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 <i>Discosoma</i> . It is a genetic fusion of two copies of the dTomato gene, which has been specifically designed for low aggregation
Species/Host	Goat
Reactivity	Other
Conjugation	Unconjugated
Tested Applications	ELISA, IF, IHC-Fr, IHC-P, WB
Immunogen	Antigen: Purified recombinant peptide produced in <i>E. coli</i> . Antigen Sequence: MVSKGEEDNMAIIKEFMRFKVHMEGSVNGHEFEIEGEGEGRPYEGTQTAKLKVTKGGPLPF AWDILSPQFMYGSKAYVKHPADIPDYLKLSFPEGFKWERVMNFEDGGVVTVTQDSSLQDG EFIYKVKLRGTNFPDGPVMQKKTMGWEASSERMYPEDGALKGEIKQRLKLDGGHYDAE VKTTYKAKKPVQLPGAYNVNIKLDITSHNEDYTIVEQYERAEGRHSTGGMDELYK
Target	Red Fluorescent Protein
Preservatives	PBS, 20% glycerol and 0.05% sodium azide
Concentration	1 mg/ml
Storage	For continuous use, store at 2-8 C for one-two days. For extended storage, store in -20 C freezer. Working dilution samples should be discarded if not used within 12 hours
Note	For research use only
Application notes	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)

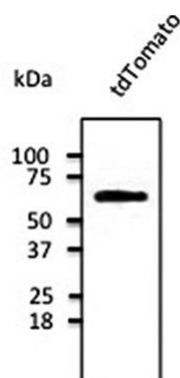
Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

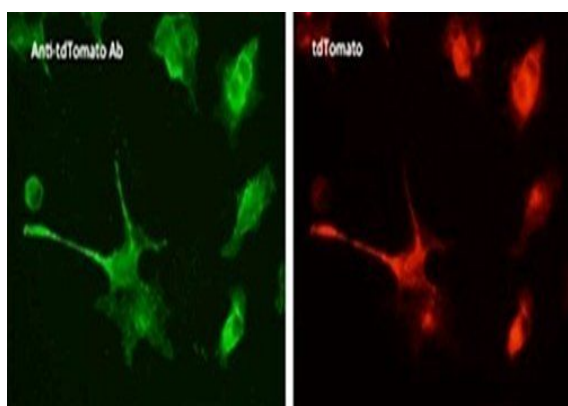
Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Protein Sequence	MEQKLISEEDLGTISTMVSKGEEDNMAIIKEFMRFKVVHMEGSVNGHEFEIEGEGEGEGRPYEGT QTAKLKVTKGGPLPFAWDILSPQFMYGSKAYVKHPADIPDYKLSFPEGFKWERVMNFEDG GVVTVTQDSSLQDGEFIYKVKLRGTNFPDGPVMQKKTMGWEASSERMYPEDGALKGEIK QRLKLDGGHYDAEVKTTYKAKKPVQLPGAYNVNIKLDITSHNEDYTIVEQYERAEGRHSN GGMDEVYK
Isotype	IgG
Clonality	Polyclonal
Purity	This antibody is epitope-affinity purified from goat antiserum
MW	55 kDa
Dilution Range	WB 1:500-1:2,000 IHC (F) 1:50-1:500 IHC (P) 1:50-1:500 IF 1:50-1:500
Expiration Date	12 months from date of receipt.



Western blot analysis of HEK293 cell line lysate using tdTomato antibody.



Confocal immunofluorescence analysis of HEK293 cells using tdTomato antibody.

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