

Product Datasheet

tdTomato Antibody (orb182397)

Catalog Number	orb182397
Category	Antibodies
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.
Target	Red Fluorescent Protein
Clonality	Polyclonal
Species/Host	Goat
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Other
Concentration	1 mg/ml
Buffer/Preservatives	PBS, 20% glycerol and 0.05% sodium azide
Purity	This antibody is epitope-affinity purified from goat antiserum
Purification	Epitope affinity purified
Immunogen	Antigen: Purified recombinant peptide produced in <i>E. coli</i> .. Antigen Sequence: MVSKGEEDNMAIIKEFMRFKVHMEGSVNGHEFEIEGEGEGRPYEGTQTAKLKVTKGGPLPF AWDILSPQFMYGSKAYVKHPADIPDYLKLSFPEGFKWERVMNFEDGGVVTVTQDSSLQDG EFIYKVKLRGTNFPDGPVMQKKTMGWEASSERMYPEDGALKGEIKQRLKLDGGHYDAE VKTTYKAKKPVQLPGAYNVNIKLDITSHNEDYTIVEQYERAEGRHSTGGMDELYK

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Protein Sequence	MEQKLISEEDLGTISTMVSKGEEDNMAIIKEFMRFKVMHEGVSNGHEFEIEGEGEGRPEYEGT QTAKLKVTKGGPLPFAWDILSPQFMYGSKAYVKHPADIPDYLKLSFPEGFKWERVMNFEDG GVVTVTQDSSLQDGEFIYKVKLRGTNFPDGPVMQKKTMGWEASSERMYPEDGALKGEIK QRLKLDGGHYDAEVKTTYKAKKPVQLPGAYNVNIKLDITSHNEDYTIVEQYERAEGRHSN GGMDEVYK
RRID	AB_2687917
MW	55 kDa
Tested applications	ELISA, FACS, IF, IHC-Fr, IHC-P, WB
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
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 is specific for tdTomato and mCherry proteins. It does not cross-react to GFP (green fluorescent protein)
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).
Antibody Type	Primary Antibody
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

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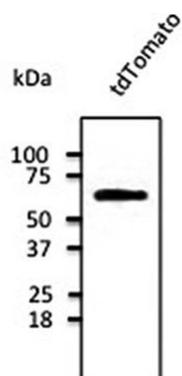
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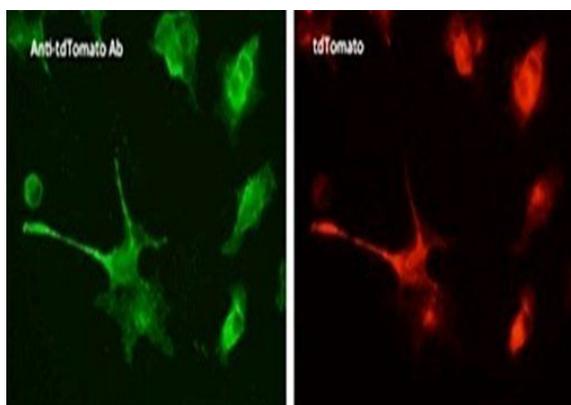
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Western blot analysis of HEK293 cell line lysate using tdTomato antibody.



Confocal immunofluorescence analysis of HEK293 cells using tdTomato antibody.

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