

Product Datasheet

tdTomato Antibody (orb1463271)

Catalog Number	orb1463271
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. 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.
Target	Red Fluorescent Protein
Clonality	Polyclonal
Species/Host	Goat
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Other
Concentration	1 mg/ml
Buffer/Preservatives	NaHCO ₃ 100 mM pH 9; no preservatives
Purification	Epitope affinity purified
Immunogen	Antigen: Purified recombinant peptide produced in E. coli.. Antigen Sequence: MVSKGEEDNMAIIKEFMRFKVHMEGSVNGHEFEIEGEGEGRPYEGTQTAKLKVTKGGPLPF AWDILSPQFMYGSKAYVKHPADIPDYLKLSFPEGFKWERVMNFEDGGVVTVTQDSSLQDG EFIYKVKLRGTNFPDGPVMQKKTMGWEASSERMYPEDGALKGEIKQRLKLDGGHYDAE VKTTYKAKKPVQLPGAYNVNIKLDITSHNEDYTIVEQYERAEGRHSTGGMDELYK

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Tested applications	IEM, IF, IHC-Fr, IHC-P, WB
Dilution range	WB:1:500-1:5,000, IF:1:50-1:500, IHC-P:1:50-1:500, IHC-F:1:50-1:500, IEM:1:50-1:500
Application notes	The antibody solution should be gently mixed before use.
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).
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only

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