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Product no AS24 5006

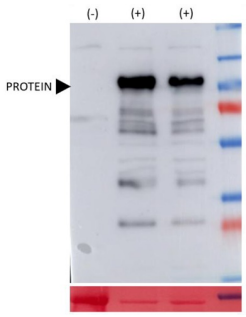
Anti-RFP | Red flourescent protein (mRFP, mCherry, tdTomato, mScarlet)

Product information

Immunogen	Recombinant protein produced in *E.coli* corresponding to full lenght mRFP. The sequence used for immunization is also found in other red flourescent proteins like: mCherry/tdTomato/mScarlet and others.
Host	Rabbit
Clonality	Polyclonal
Purity	Antigen affinity purified serum, in PBS pH 7.4
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution, add 50 µl, of sterile or deionized water.
Storage	Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.

Application information

Recommended dilution	1: 200 (IHC)
Expected | apparent MW	Depends upon fusion partner
Confirmed reactivity	RFP
Predicted reactivity	mRFP, mCherry, tdTomato, mScarlet
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	To be added when available. Antibody released in February 2025.



5 µg/well of total protein extracted freshly from 7-day-old *Arabidopsis thaliana* seedlings. Exact buffer components were: 25 mM Tris-HCl pH 7.5, 10% glycerol, 1 mM EDTA pH 8.0, 150 mM NaCl, 10 mM DTT, and 1x protease inhibitor cocktail [cOmplete, EDTA-free; Roche] and denatured with Laemmli buffer 100°C during 5 min. Samples were separated in the cold on 10 % SDS-PAGE and blotted for 1h to PVDF, using wet transfer in the cold. Blot was blocked with 5% milk for: 1h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1: 2500 for 1hr at room temperature with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed once for 15 min and 3 times for 5 min in TBS-T at RT with agitation. Blot was incubated in matching secondary antibody anti-rabbit IgG horse radish peroxidase conjugated, AS09 602, Agrisera) diluted to 1:25 000 for h/RT with agitation. The blot was washed as above and developed with a low femtogram chemiluminescent detection reagent. To decrease the background signal further, less sensitive detection reagent can be applied.

Courtesy of Dr. Victoria Gastaldi, Institute of Molecular and Cellular Biology of Plants (IBMCP, UPV-CSIC), Valencia, Spain

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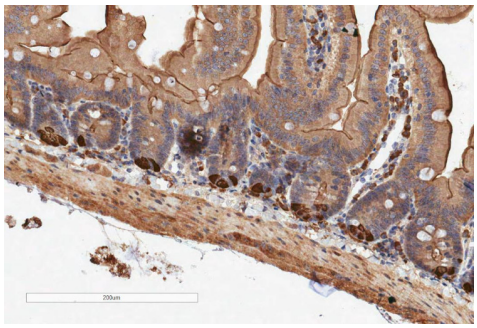

Type of material: Mouse intestinal tissue (FFPE tissue), overexpressing mScarlet tagged protein
Fixation: formaldehyde
Hydrophilization: n/a
Cell wall digestion: n/a
Membrane permeabilization: n/a
Antigen retrieval: in citrate buffer
Blocking buffer: Superblock plus (Thermoscientific 37580) Washing buffer: PBS
Primary antibody dilution and incubation time: 1:200/ 1 h incubation
Secondary antibody: Vector labs, BA-1000-Goat Anti-Rabbit IgG Antibody (H+L), Biotinylated 1:200
Co-staining of the nucleus: Haematoxylin

Courtesy of Dr. Hayley Belnoue-Davis, Centre for Human Genetics, University of Oxford, United Kingdom