

34-1023: Polyclonal Antibody to Cherry Dsred

Clonality :	Polyclonal
Application :	WB, IF/ICC, IHC
Uniprot ID :	X5DSL3
Format :	Conc. IgY prep.
Isotype :	Chicken, IgY
Immunogen Information :	Full length recombinant protein

Product Info

Amount :	50 µl / 100 µl
Content :	Antibody is supplied as an aliquot of concentrated IgY prep
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

WB: 1:2,000-5,000 IF/IHC: 1:1,000.

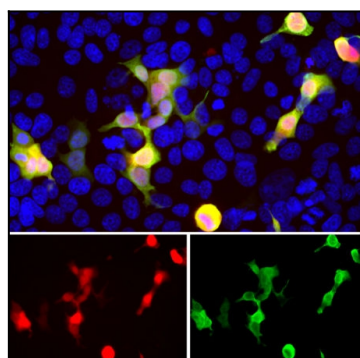


Figure-1: HEK293 cells transfected with a mCherry, stained with (34-1023) antibody and viewed in a confocal microscope. Most HEK293 cells are not transfected so only the nucleus of these cells can be visualized with a blue DNA stain. Cells which are transfected with mCherry are bright red, and staining with (34-1023) is shown in Green. The green antibody staining is only seen cells which express mCherry, as expected, and the superimposition of the green and red results in an orange signal. Interestingly stronger mCherry staining is seen in the nucleus, possibly due to degradation of some mCherry molecules releasing the low molecular weight mCherry fluorochrome.

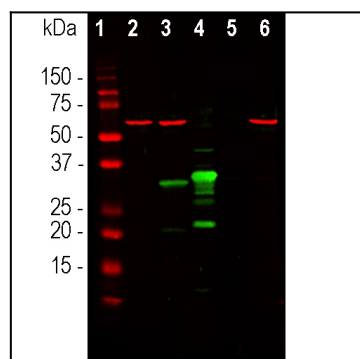


Figure-2: Western blot analysis of HEK293 cell lysates, and recombinant protein solutions using chicken pAb to mCherry, (34-1023), dilution 1:2,000, in green [1] protein standard, [2] HEK293, [3] HEK293 cells transfected with an mCherry-HA construct, [4] pure recombinant mCherry protein, [5] pure recombinant GFP protein and [6] HEK293 transfected with a GFP construct. The major band at about 30kDa corresponds to mCherry-HA protein and the slightly larger recombinant form runs at about 33kDa due to presence of a His tag and other vector derived sequence. (34-1023) antibody recognizes mCherry protein and does not react with GFP protein. The same blot was simultaneously probed with mouse mAb to HSP60, dilution 1:10,000 in red, which reveals a band at 60kDa only in the cell lysates.