

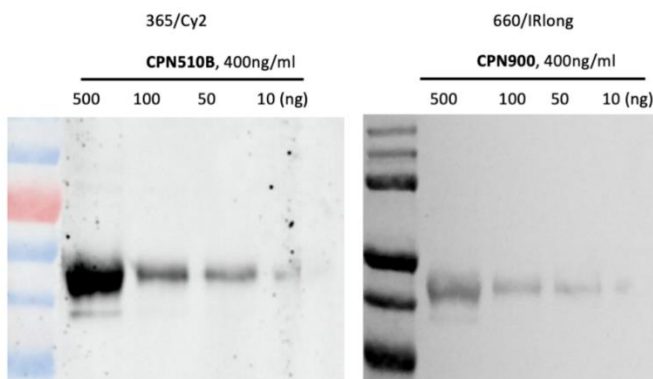
# Western Blot

## Enhanced Protein Detection, CPNs™ & LINKBRIGHT™

Conjugated Polymer Nanoparticles (CPNs™) can enhance western blot analyses, allowing for highly sensitive detection of a protein of interest. When linked to key antibodies, the powerful brightness of CPNs™ identifies even low concentrations of the target protein with an improved detection limit compared to conventional dyes.

### Superior signals when linked to matching amounts of antibodies:

- Extremely bright signal, allowing detection of very low levels of target protein
- Fluorescence resistant to photobleaching, ensuring signal remains stable for reliable detection and archiving
- Signal is directly proportional with a linear relationship to the target protein concentration, allowing reliable quantification
- Wide range of CPN™ colours allowing compatibility with a range of image capture systems and simple multiplexing
- Quick and easy linkage to key antibodies with our new LINKBRIGHT™ conjugation kits



CPNs™ have displayed levels of detection far more sensitive than those of conventional dyes, showing superior signal strength when linked to matching quantities of antibodies in western blots. This allows low levels of target protein to be clearly identified and quantified.

## CPN™ – CONJUGATED POLYMER NANOPARTICLES

With immensely bright emission properties and highly specific targeting capabilities, our non-toxic CPN™ molecular probes have many advantages over traditional dyes in a variety of R&D applications, including in vitro imaging and labelling, diagnostics and therapeutics.



	Ex / Em		Ex / Em
CPN 420 (Violet)	390 / 420	CPN 580 (Yellow)	488 / 580
CPN 435 (Indigo)	390 / 435	CPN 610 (Orange)	480 / 610
CPN 475 (Blue)	390 / 475	CPN 680 (Red)	400 / 680
CPN 510 (Green)	450 / 510	CPN 770 (IR-I)	610 / 770
CPN 510B (Green)	400 / 510	CPN 830 (IR-I)	690 / 830
CPN 550 (Yellow)	470 / 550	CPN 900 (IR-I)	650 / 900
		CPN 1130 (IR-II)	750 / 1130

Contact us for more information:  
[info@streambio.co.uk](mailto:info@streambio.co.uk)