

# Anti-mouse IgG (H+L) (DyLight™ 800 Conjugate)

<input type="checkbox"/> Small	500 µl
<input type="checkbox"/> Petite	100 µl



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**For Research Use Only. Not For Use In Diagnostic Procedures.**

**Description:** Anti-mouse IgG (H+L) was conjugated to DyLight™ 800 fluorescent dye under optimal conditions and formulated at 1 mg/ml. Excitation is 777 nm and peak fluorescence emission is 794 nm.

**Background:** Near infrared anti-species IgG conjugates are ideal for fluorescent western blotting and In-Cell Western. Cell Signaling Technology's strict quality control procedures assure that each conjugate provides optimal specificity and fluorescence.

This product has been optimized for use as a secondary antibody in fluorescent western blotting and In-Cell Western™.

**Specificity/Sensitivity:** Anti-mouse IgG (H+L) (DyLight™ 800 Conjugate) reacts with the heavy and light chains of most mouse immunoglobulins. No cross-reactivity to other serum proteins has been detected. This antibody may cross-react with immunoglobulins from other species.

**Source/Purification:** This antibody is prepared from goat antibodies and purified by immunoaffinity chromatography using antigen coupled to agarose beads.

**Storage:** Supplied in 100 mM PBS, pH 7.2, containing 1% BSA and 0.02% sodium azide. Store at 4°C. Protect from light. *Do not freeze.*

**Recommended Antibody Dilutions:**

The optimal dilution of the anti-species antibody should be determined by the user. However, the final dilutions below should yield acceptable results for the respective applications.

Fluorescent western blotting: 1:15000  
In-Cell Western: 1:2000

**For application specific protocols please see the web page for this product at [www.cellsignal.com](http://www.cellsignal.com).**

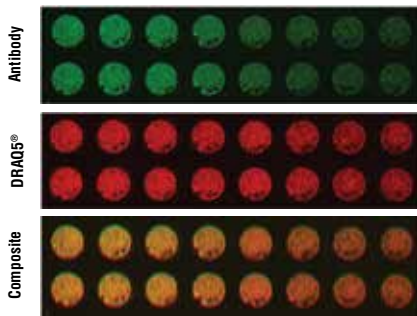
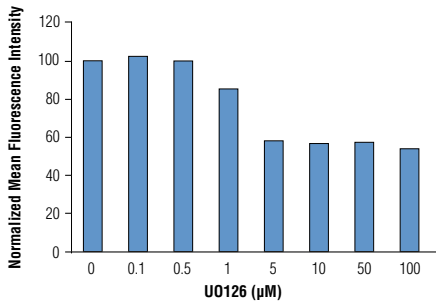
**Please visit [www.cellsignal.com](http://www.cellsignal.com) for a complete listing of recommended companion products.**

DyLight™ is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

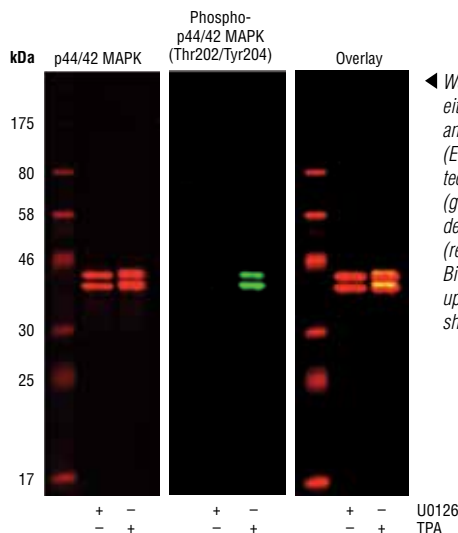
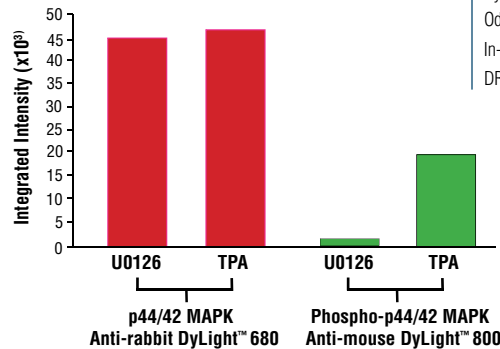
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*In-Cell Western™ analysis of A549 cells exposed to varying concentrations of U0126 (MEK1/2 Inhibitor) #9903 for 3 hours, followed by TPA (Phorbol-12-Myristate-13-Acetate) #9905 stimulation for 30 minutes. With increasing concentrations of U0126, a significant decrease (~2 fold) in Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) (E10) Mouse mAb #9106 signal as compared to the TPA-stimulated control was observed. Data and images were generated on the LI-COR® Biosciences Odyssey® Infrared Imaging System using Anti-mouse IgG (H+L) (DyLight™ 800 Conjugate). DRAQ5® #4084 (fluorescent DNA dye - red) is used for normalization.*



◀ Western blot analysis of Jurkat cell lysates (#9194) treated with either U0126 (MEK 1/2 inhibitor) #9903 or TPA (12-O-Tetradecanoylphorbol-13-Acetate) #4174, using Phospho-p44/42 MAPK (Erk1/2) (Thr202/204) (D13.14.4E) XP® Rabbit mAb #4370 detected with Anti-rabbit IgG (H+L) (DyLight™ 800 Conjugate) #5151 (green) and p44/42 MAPK (Erk1/2) (3A7) Mouse mAb #9107 detected with Anti-mouse IgG (H+L) (DyLight™ 680 Conjugate) (red). The array image pixel intensities obtained using a LI-COR® Biosciences Odyssey® Infrared Imaging System are shown in the upper panel while corresponding fluorescent western blots are shown in the lower panel.

**Applications Key:** W—Western IP—Immunoprecipitation IHC—Immunohistochemistry ChIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry E-P—ELISA-Peptide

**Species Cross-Reactivity Key:** H—human M—mouse R—rat Hm—hamster Mk—monkey Mi—mink C—chicken Dm—D. melanogaster X—Xenopus Z—zebrafish B—bovine

Dg—dog Pg—pig Sc—S. cerevisiae Ce—C. elegans Hr—horse

All—all species expected

Species enclosed in parentheses are predicted to react based on 100% homology.