

Store at  
-20°C

# Anti-biotin, HRP-linked Antibody

www.cellsignal.com

#7075

1 ml

**Support:** 877-678-TECH (8324)  
www.cellsignal.com/support

**Orders:** 877-616-CELL (2355)  
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rev. 02/17/16

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

**Description:** Affinity purified goat anti-biotin antibody is conjugated to horseradish peroxidase. This product has been optimized to detect biotinylated protein markers.

**Background:** Chemiluminescence systems have emerged as the best all-around method for western blot detection. They eliminate the hazards associated with radioactive materials and toxic chromogenic substrates. The speed and sensitivity of these methods are unequalled by traditional alternatives, and because results are generated on film, it is possible to record and store data permanently. Blots detected with chemiluminescent methods are easily stripped for subsequent reprobing with additional antibodies. HRP-conjugated secondary antibodies are utilized in conjunction with specific chemiluminescent substrates to generate the light signal. HRP conjugates have a very high turnover rate, yielding good sensitivity with short reaction times.

**Specificity/Sensitivity:** This antibody may cross react with endogenously expressed biotinylated proteins. Careful titration may be needed.

**Storage:** Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 2 mg/ml BSA and 50% glycerol. Store at -20°C. *Do not aliquot the antibody.*

### Recommended Antibody Dilutions:

1:1000-1:3000

**Directions for Use:** For western blots, incubate membrane and diluted antibody in 5% w/v nonfat dry milk, 1x TBS, 0.1% Tween® 20 at room temperature for one hour prior to detection.

*Note: Sodium azide is an inhibitor of HRP-binding and should not be included in the dilution buffer.*

**For product specific protocols and a complete listing of recommended companion products please see the product web page at [www.cellsignal.com](http://www.cellsignal.com)**

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